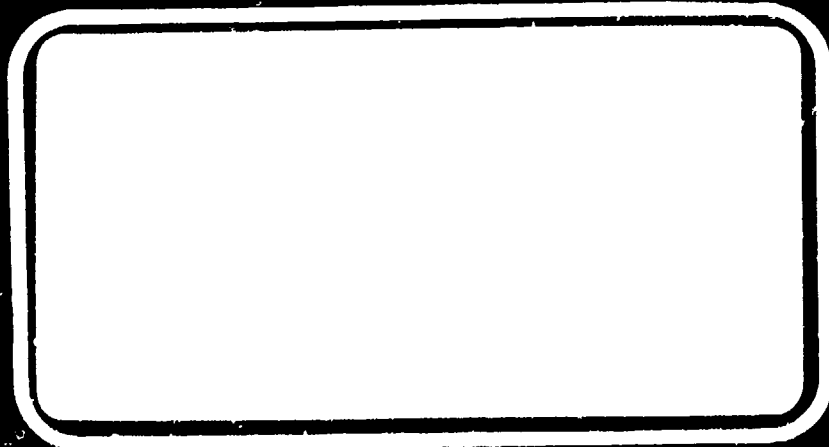


AD A0 66624

DDC FILE COPY

③

LE



Defence and Civil Institute of Environmental

DISTRIBUTION STATEMENT A

Approved for public release;
Distribution Unlimited

③ LEVEL II

NTIS REPRODUCTION
BY PERMISSION OF
INFORMATION

11 JAN 1979

DCIEM Technical Report No. 79X2

12 49 P.

14 D I E M - T R - 7 9 X 2

AD A0 66624

6
CONVERSION TABLES FOR
OXYGEN PARTIAL PRESSURES TO
PERCENTAGE OXYGEN
AT VARIOUS DEPTHS (IN BARS).

DDC FILE COPY

10 R.Y./Nishi
L.V./Allin

RESTRICTION STATEMENT A
Approved for public release
Distribution Unlimited

DDC
RECEIVED
APR 2 1979
B

Defence and Civil Institute of Environmental Medicine
1133 Sheppard Avenue West, P.O. Box 2000
Downsview, Ontario M3M 3B9

DEPARTMENT OF NATIONAL DEFENCE - CANADA

406 776

9 03 30 0

TABLE OF CONTENTS

	Page
ABSTRACT.....	v
INTRODUCTION.....	1
DESCRIPTION OF TABLES.....	1
DISCUSSION OF TABLES.....	2
REFERENCES.....	3
APPENDIX.....	5

ACCESSION for	
NTIS	White Section <input checked="" type="checkbox"/>
DDC	Half Section <input type="checkbox"/>
UNANNOUNCED	<input type="checkbox"/>
JUSTIFICATION	
BY	
DISTRIBUTION	
SPECIAL	
A	

ABSTRACT

Tables have been calculated for converting oxygen partial pressures from 0.2 to 2.0 bars into percentage oxygen as a function of depth from 0 to 80 bars (gauge). To allow the use of these tables with non-metric equipment, equivalent pressures in meters of seawater, feet of seawater, pounds per square inch absolute, atmospheres absolute, and millimeters of mercury are also given.

INTRODUCTION

Tables for converting partial pressures of oxygen to percentage oxygen at various depths are useful for dive planning, instrument calibration, and equipment set-up. Although tables have been previously generated by Berghage and Tolhurst¹, these are for depth in feet of seawater (fsw). At the Deep Diving Facility of the Defence and Civil Institute of Environmental Medicine (DCIEM), there is a necessity for metric tables since pressure gauges and pressure transducer displays are calibrated in bars (gauge). Hence tables similar to those of Reference 1 have been compiled for pressures in bars.

DESCRIPTION OF TABLES

The conversion tables are presented in the Appendix for depths from 0 to 80 bars (gauge) and oxygen partial pressures from 0.2 to 2.0 bars. The depth is presented in the following ranges and increments:

from	0	to	10	bars,	at	0.02	bars	increment
"	10	"	20	"	,	"	0.05	"
"	20	"	30	"	,	"	0.1	"
"	30	"	70	"	,	"	0.2	"
"	70	"	80	"	,	"	0.5	"

In addition to the depth in bars, the corresponding values in meters of seawater (msw), feet of seawater (fsw), pounds per square inch absolute (psia), atmospheres absolute (atm), and millimeters of mercury (mmHg) are also presented. The conversion factors used are:

1 Bar	=	9.9481	msw
	=	32.638	fsw
	=	14.504	psia
	=	0.9869	atm
	=	750.06	mmHg

Bars, msw, and fsw are gauge pressure values, i.e., starting from zero at the surface. The conversion from bars to msw and fsw assumes that the specific gravity of seawater is 1.025. Depths in psia, atm, and mmHg are presented as absolute pressures, i.e., starting from zero at vacuum. The reference pressure for the surface has been taken to be 1 bar absolute and not 1 atm.

Oxygen partial pressures are presented across the top of the page in 0.1 bar increments from 0.2 to 2.0 bars. Equivalent partial pressures in mmHg are also shown. For a given partial

pressure of oxygen at some selected depth, the figure in the body of the table gives the amount of oxygen required to give that partial pressure as a percentage of the total gas pressure. Asterisks have been printed for non-allowable combinations of partial pressures and depths, i.e., combinations which give values greater than 100%.

DISCUSSION OF TABLES

The surface reference pressure has been taken to be 1 bar absolute rather than 1 atm since the normal atmospheric pressure at the DCIEM location is closer to 1 bar. Hence a comparison between the gauge pressure units (bars, msw, and fsw) and the absolute pressure units (psia, atm, and mmHg) will not give the same values as given by other published tables which may have used 1 atm as the surface reference pressure.

The use of 1 bar as the surface reference pressure will also change the percentage oxygen values slightly from those based on 1 atm. The difference in the percentage oxygen between the two reference pressures is 0.1% or less for depths in excess of 4.0 bars.

The conversion factor for pressure to meters or feet of seawater depends on the specific gravity of seawater, which in turn depends on the temperature and locality. The two usual approximations are 1 atm = 33 fsw (in British units) and 1 bar = 10 msw (in metric units). However, these two conversions are not consistent since the latter gives 1 atm = 33.24 fsw. These approximate conversions can be used for shallow depths. However, for great depths, the accumulated errors became significant. In these tables, a specific gravity of 1.025 has been assumed, giving 1 atm = 33.071 fsw, or 1 bar = 9.95 msw.

REFERENCES

1. BERGHAGE T.E. & TOLHURST G.C. (1971) Revised tables of appropriate oxygen percentages for selected partial pressures at various depths, U.S. Navy Experimental Diving Unit Research Report No. 4-71, April.
2. SHILLING C.W., WERTS M.F. & SCHANDELMEIER N.R., Ed. (1976) The Underwater Handbook, A Guide to Physiology and Performance for the Engineer. Plenum Press, New York, p 893.

APPENDIX

**Tables for Percentage Oxygen in Mixture at various depths
and partial pressures.**

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 1

[illegible]

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 2

DEPTH			OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																					
DAYS (	MSW gauge	FSW)	PSIA (	ATM absolute	MM Hg)	OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																		
						2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.21
						1500	1425	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375	300	225	150
0.50	4.97	16.3	21.8	1.48	1125	*	*	*	*	*	*	93.3	86.7	80.0	73.3	66.7	60.0	53.3	46.7	40.0	33.3	26.7	20.0	14.2
0.52	5.17	17.0	22.0	1.50	1140	*	*	*	*	*	*	98.7	92.1	85.5	78.9	72.4	65.8	59.2	52.6	46.1	39.5	32.9	26.3	19.7
0.54	5.37	17.6	22.3	1.52	1155	*	*	*	*	*	*	97.4	90.9	84.4	77.9	71.4	64.9	58.4	51.9	45.5	39.0	32.5	26.0	19.5
0.56	5.57	18.3	22.6	1.54	1170	*	*	*	*	*	*	96.2	89.7	83.3	76.9	70.5	64.1	57.7	51.3	44.9	38.5	32.1	25.6	19.2
0.58	5.77	18.9	22.9	1.56	1185	*	*	*	*	*	*	94.9	88.6	82.3	75.9	69.6	63.3	57.0	50.6	44.3	38.0	31.6	25.3	19.0
0.60	5.97	19.6	23.2	1.58	1200	*	*	*	*	*	*	93.8	87.5	81.3	75.0	68.8	62.5	56.3	50.0	43.8	37.5	31.3	25.0	18.8
0.62	6.17	20.2	23.5	1.60	1215	*	*	*	*	*	*	98.8	92.6	86.4	80.2	74.1	67.9	61.7	55.6	49.4	43.2	37.0	30.9	24.7
0.64	6.37	20.9	23.8	1.62	1230	*	*	*	*	*	*	97.6	91.5	85.4	79.3	73.2	67.1	61.0	54.9	48.8	42.7	36.6	30.5	24.4
0.66	6.57	21.5	24.1	1.64	1245	*	*	*	*	*	*	96.4	90.4	84.3	78.3	72.3	66.3	60.2	54.2	48.2	42.2	36.1	30.1	24.1
0.68	6.76	22.2	24.4	1.66	1260	*	*	*	*	*	*	95.2	89.3	83.3	77.4	71.4	65.5	59.5	53.6	47.6	41.7	35.7	29.8	23.8
0.70	6.95	22.8	24.7	1.68	1275	*	*	*	*	*	*	94.1	88.2	82.4	76.5	70.6	64.7	58.8	52.9	47.1	41.2	35.3	29.4	23.5
0.72	7.16	23.5	24.9	1.70	1290	*	*	*	*	*	*	98.8	93.0	87.2	81.4	75.6	69.8	64.0	58.1	52.3	46.5	40.7	34.9	29.1
0.74	7.36	24.2	25.2	1.72	1305	*	*	*	*	*	*	97.7	92.0	86.2	80.5	74.7	69.0	63.2	57.5	51.7	46.0	40.2	34.5	28.7
0.76	7.56	24.8	25.5	1.74	1320	*	*	*	*	*	*	96.6	90.9	85.2	79.5	73.9	68.2	62.5	56.8	51.1	45.5	39.8	34.1	28.4
0.78	7.76	25.5	25.8	1.76	1335	*	*	*	*	*	*	95.5	89.9	84.3	78.7	73.0	67.4	61.8	56.2	50.6	44.9	39.3	33.7	28.1
0.80	7.96	26.1	26.1	1.78	1350	*	*	*	*	*	*	94.4	88.9	83.3	77.8	72.2	66.7	61.1	55.6	50.0	44.4	38.9	33.3	27.8
0.82	8.16	26.8	26.4	1.80	1365	*	*	*	*	*	*	98.9	93.4	87.9	82.4	76.9	71.4	65.9	60.4	54.9	49.5	44.0	38.5	33.0
0.84	8.36	27.4	26.7	1.82	1380	*	*	*	*	*	*	97.8	92.4	87.6	82.5	76.1	70.7	65.2	59.8	54.3	48.9	43.5	38.0	32.6
0.86	8.56	28.1	27.0	1.84	1395	*	*	*	*	*	*	96.8	91.4	86.0	80.6	75.3	69.9	64.5	59.1	53.8	48.4	43.0	37.6	32.3
0.88	8.75	28.7	27.3	1.86	1410	*	*	*	*	*	*	95.7	90.4	85.1	79.8	74.5	69.1	63.8	58.5	53.2	47.9	42.6	37.2	31.9
0.90	8.95	29.4	27.6	1.88	1425	*	*	*	*	*	*	94.7	89.5	84.2	78.9	73.7	68.4	63.2	57.9	52.6	47.4	42.1	36.8	31.6
0.92	9.15	30.0	27.8	1.89	1440	*	*	*	*	*	*	99.0	93.8	88.5	83.3	78.1	72.9	67.7	62.5	57.3	52.1	46.9	41.7	36.5
0.94	9.35	30.7	28.1	1.91	1455	*	*	*	*	*	*	97.9	92.8	87.6	82.5	77.3	72.2	67.0	61.9	56.7	51.5	46.4	41.2	36.1
0.96	9.55	31.3	28.4	1.92	1470	*	*	*	*	*	*	96.9	91.8	86.7	81.6	76.5	71.4	66.3	61.2	56.1	51.0	45.9	40.8	35.7
0.98	9.75	32.0	28.7	1.95	1485	*	*	*	*	*	*	96.0	90.9	85.9	80.8	75.8	70.7	65.7	60.6	55.6	50.5	45.5	40.4	35.4

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 3

DMS (	MSW gauge	FSW)	PSIA (	ATM absolute	OXYGEN PARTIAL PRESSURE (BAR/MM Hg)															
					2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5
1.00	9.95	32.6	29.0	1.97	1500	95.0	94.0	85.0	80.0	75.0	70.0	65.0	60.0	55.0	50.0	45.0	40.0	35.0	30.0	25.0
1.02	10.15	33.3	29.3	1.99	1515	99.0	94.1	89.1	84.2	79.2	74.3	69.3	64.4	59.4	54.5	49.5	44.6	39.6	34.7	29.7
1.04	10.35	33.9	29.6	2.01	1530	98.0	93.1	88.2	83.3	78.4	73.5	68.6	63.7	58.8	53.9	49.0	44.1	39.2	34.3	29.4
1.06	10.54	34.6	29.9	2.03	1545	97.1	92.2	87.3	82.5	77.7	72.8	68.0	63.1	58.3	53.4	48.5	43.7	38.8	34.0	29.1
1.08	10.74	35.2	30.2	2.05	1560	96.2	91.3	86.5	81.7	76.9	72.1	67.3	62.5	57.7	52.9	48.1	43.3	38.5	33.7	28.9
1.10	10.94	35.9	30.5	2.07	1575	95.2	90.5	85.7	81.0	76.2	71.4	66.7	61.9	57.1	52.4	47.6	42.9	38.1	33.3	28.6
1.12	11.14	36.6	30.7	2.09	1590	94.3	89.6	84.9	80.2	75.5	70.8	66.0	61.3	56.6	51.9	47.2	42.5	37.7	33.0	28.3
1.14	11.34	37.2	31.0	2.11	1605	93.5	88.8	84.1	79.4	74.8	70.1	65.4	60.7	56.1	51.4	46.7	42.1	37.4	32.7	28.0
1.16	11.54	37.9	31.3	2.13	1620	92.6	88.0	83.3	78.7	74.1	69.4	64.8	60.2	55.6	50.9	46.3	41.7	37.0	32.4	27.8
1.18	11.74	38.5	31.6	2.15	1635	91.7	87.2	82.6	78.0	73.4	68.8	64.2	59.6	55.0	50.5	45.9	41.3	36.7	32.1	27.5
1.20	11.94	39.2	31.9	2.17	1650	90.9	86.4	81.8	77.3	72.7	68.2	63.6	59.1	54.5	50.0	45.5	40.9	36.4	31.8	27.3
1.22	12.14	39.8	32.2	2.19	1665	90.1	85.6	81.1	76.6	72.1	67.6	63.1	58.6	54.1	49.5	45.0	40.5	36.0	31.5	27.0
1.24	12.34	40.5	32.5	2.21	1680	89.3	84.8	80.4	75.9	71.4	67.0	62.5	58.0	53.6	49.1	44.6	40.2	35.7	31.3	26.8
1.26	12.53	41.1	32.8	2.23	1695	88.5	84.1	79.6	75.2	70.8	66.4	61.9	57.5	53.1	48.7	44.2	39.8	35.4	31.0	26.5
1.28	12.73	41.8	33.1	2.25	1710	87.7	83.3	78.9	74.6	70.2	65.8	61.4	57.0	52.6	48.2	43.9	39.5	35.1	30.7	26.3
1.30	12.93	42.4	33.4	2.27	1725	87.0	82.6	78.3	73.9	69.6	65.2	60.9	56.5	52.2	47.8	43.5	39.1	34.8	30.4	26.0
1.32	13.13	43.1	33.6	2.29	1740	86.2	81.9	77.6	73.3	69.0	64.7	60.3	56.0	51.7	47.4	43.1	38.8	34.5	30.2	25.9
1.34	13.33	43.7	33.9	2.31	1755	85.5	81.2	76.9	72.6	68.4	64.1	59.8	55.6	51.3	47.0	42.7	38.5	34.2	29.9	25.6
1.36	13.53	44.4	34.2	2.33	1770	84.7	80.5	76.3	72.0	67.8	63.6	59.3	55.1	50.8	46.6	42.4	38.1	33.9	29.7	25.4
1.38	13.73	45.0	34.5	2.35	1785	84.0	79.8	75.6	71.4	67.2	63.0	58.8	54.6	50.4	46.2	42.0	37.8	33.6	29.4	25.2
1.40	13.93	45.7	34.8	2.37	1800	83.3	79.2	75.0	70.8	66.7	62.5	58.3	54.2	50.0	45.8	41.7	37.5	33.3	29.2	25.0
1.42	14.13	46.3	35.1	2.39	1815	82.6	78.5	74.4	70.2	66.1	62.0	57.9	53.7	49.6	45.5	41.3	37.2	33.1	28.9	24.8
1.44	14.33	47.0	35.4	2.41	1830	82.0	77.9	73.8	69.7	65.6	61.5	57.4	53.3	49.2	45.1	41.0	36.9	32.8	28.7	24.6
1.46	14.52	47.7	35.7	2.43	1845	81.3	77.2	73.2	69.1	65.0	61.0	56.9	52.8	48.8	44.7	40.7	36.6	32.5	28.5	24.4
1.48	14.72	48.3	36.0	2.45	1860	80.6	76.6	72.6	68.5	64.5	60.5	56.5	52.4	48.4	44.4	40.3	36.3	32.3	28.2	24.2

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 4

TEMP T14				OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																				
DIPS ()	MSU gauge	FSM ()	PSIA ()	ATM mm Hg absolute																				
					2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.21	
					1500	1425	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375	300	225	150	
1.50	14.92	49.0	36.3	2.47	1875	88.0	76.0	72.0	68.0	64.0	60.0	56.0	52.0	48.0	44.0	40.0	36.0	32.0	28.0	24.0	20.0	16.0	12.0	8.5
1.52	15.12	49.6	36.6	2.49	1890	79.4	75.4	71.4	67.5	63.5	59.5	55.6	51.6	47.6	43.7	39.7	35.7	31.7	27.8	23.8	19.8	15.9	11.9	8.5
1.54	15.32	50.3	36.8	2.51	1905	78.7	74.8	70.9	66.9	63.0	59.1	55.1	51.2	47.2	43.3	39.4	35.4	31.5	27.6	23.6	19.7	15.7	11.8	8.4
1.56	15.52	50.9	37.1	2.53	1920	78.1	74.2	70.3	66.4	62.5	58.6	54.7	50.8	46.9	43.0	39.1	35.2	31.3	27.3	23.4	19.5	15.6	11.7	8.3
1.58	15.72	51.6	37.4	2.55	1935	77.5	73.6	69.8	65.9	62.0	58.1	54.3	50.4	46.5	42.6	38.8	34.9	31.0	27.1	23.3	19.4	15.5	11.6	8.3
1.60	15.92	52.2	37.7	2.57	1950	76.9	73.1	69.2	65.4	61.5	57.7	53.8	50.0	46.2	42.3	38.5	34.6	30.8	26.9	23.1	19.2	15.4	11.5	8.2
1.62	16.12	52.9	38.0	2.59	1965	76.3	72.5	68.7	64.9	61.1	57.3	53.4	49.6	45.8	42.0	38.2	34.4	30.5	26.7	22.9	19.1	15.3	11.5	8.1
1.64	16.31	53.5	38.3	2.61	1980	75.8	72.0	68.2	64.4	60.6	56.8	53.0	49.2	45.5	41.7	37.9	34.1	30.3	26.5	22.7	18.9	15.2	11.4	8.1
1.66	16.51	54.2	38.6	2.63	1995	75.2	71.4	67.7	63.9	60.2	56.4	52.6	48.9	45.1	41.4	37.6	33.8	30.1	26.3	22.6	18.8	15.0	11.3	8.0
1.68	16.71	54.8	38.9	2.64	2010	74.6	70.9	67.2	63.4	59.7	56.0	52.2	48.5	44.8	41.0	37.3	33.6	29.9	26.1	22.4	18.7	14.9	11.2	7.9
1.70	16.91	55.5	39.2	2.66	2025	74.1	70.4	66.7	63.0	59.3	55.6	51.9	48.1	44.4	40.7	37.0	33.3	29.6	25.9	22.2	18.5	14.8	11.1	7.9
1.72	17.11	56.1	39.5	2.68	2040	73.5	69.9	66.2	62.5	58.8	55.1	51.5	47.8	44.1	40.4	36.8	33.1	29.4	25.7	22.1	18.4	14.7	11.0	7.8
1.74	17.31	56.8	39.7	2.70	2055	73.0	69.3	65.7	62.0	58.4	54.7	51.1	47.4	43.8	40.1	36.5	32.8	29.2	25.5	21.9	18.2	14.6	10.9	7.8
1.76	17.51	57.4	40.0	2.72	2070	72.5	68.8	65.2	61.6	58.0	54.3	50.7	47.1	43.5	39.9	36.2	32.6	29.0	25.4	21.7	18.1	14.5	10.9	7.7
1.78	17.71	58.1	40.3	2.74	2085	71.9	68.3	64.7	61.2	57.6	54.0	50.4	46.8	43.2	39.6	36.0	32.4	28.8	25.2	21.6	18.0	14.4	10.8	7.7
1.80	17.91	58.7	40.6	2.76	2100	71.4	67.9	64.3	60.7	57.1	53.6	50.0	46.4	42.9	39.3	35.7	32.1	28.6	25.0	21.4	17.9	14.3	10.7	7.6
1.82	18.11	59.4	40.9	2.78	2115	70.9	67.4	63.8	60.3	56.7	53.2	49.6	46.1	42.6	39.0	35.5	31.9	28.4	24.8	21.3	17.7	14.2	10.6	7.6
1.84	18.30	60.1	41.2	2.80	2130	70.4	66.9	63.4	59.9	56.3	52.8	49.3	45.8	42.3	38.7	35.2	31.7	28.2	24.6	21.1	17.6	14.1	10.6	7.5
1.86	18.50	60.7	41.5	2.82	2145	69.9	66.4	62.9	59.4	55.9	52.4	49.0	45.5	42.0	38.5	35.0	31.5	28.0	24.5	21.0	17.5	14.0	10.5	7.4
1.88	18.70	61.4	41.8	2.84	2160	69.4	66.0	62.5	59.0	55.6	52.1	48.6	45.1	41.7	38.2	34.7	31.3	27.8	24.3	20.8	17.4	13.9	10.4	7.4
1.90	18.90	62.0	42.1	2.86	2175	69.0	65.5	62.1	58.6	55.2	51.7	48.3	44.8	41.4	37.9	34.5	31.0	27.6	24.1	20.7	17.2	13.8	10.3	7.3
1.92	19.10	62.7	42.4	2.88	2190	68.5	65.1	61.6	58.2	54.8	51.4	47.9	44.5	41.1	37.7	34.2	30.8	27.4	24.0	20.5	17.1	13.7	10.3	7.3
1.94	19.30	63.3	42.6	2.90	2205	68.0	64.6	61.2	57.8	54.4	51.0	47.6	44.2	40.8	37.4	34.0	30.6	27.2	23.8	20.4	17.0	13.6	10.2	7.2
1.96	19.50	64.0	42.9	2.92	2220	67.6	64.2	60.8	57.4	54.1	50.7	47.3	43.9	40.5	37.2	33.8	30.4	27.0	23.6	20.3	16.9	13.5	10.1	7.2
1.98	19.70	64.6	43.2	2.94	2235	67.1	63.8	60.4	57.0	53.7	50.3	47.0	43.6	40.3	36.9	33.6	30.2	26.8	23.5	20.1	16.7	13.4	10.1	7.1

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 5

DEPTH		OXYGEN		PARTIAL		PRESSURE		MM		Hg															
BARS	FSM	PSIA	ATM	MM Hg	absolute	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1
(gauge)				1500	1425	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375	300	225	150	75
2.00	19.90	65.3	43.5	2.96	2250	66.7	63.3	60.0	56.7	53.3	50.0	46.7	43.3	40.0	36.7	33.3	30.0	26.7	23.3	20.0	16.7	13.3	10.0	7.1	
2.02	20.10	65.9	43.8	2.98	2265	66.2	62.9	59.6	56.3	53.0	49.7	46.4	43.0	39.7	36.4	33.1	29.8	26.5	23.2	19.9	16.6	13.2	9.9	7.1	
2.04	20.29	66.6	44.1	3.00	2280	65.8	62.5	59.2	55.9	52.6	49.3	46.1	42.8	39.5	36.2	32.9	29.6	26.3	23.0	19.7	16.4	13.2	9.9	7.0	
2.06	20.49	67.2	44.4	3.02	2295	65.4	62.1	58.8	55.6	52.3	49.0	45.8	42.5	39.2	35.9	32.7	29.4	26.1	22.9	19.6	16.3	13.1	9.8	7.0	
2.08	20.69	67.9	44.7	3.04	2310	64.9	61.7	58.4	55.2	51.9	48.7	45.5	42.2	39.0	35.7	32.5	29.2	26.0	22.7	19.5	16.2	13.0	9.7	6.9	
2.10	20.89	68.5	45.0	3.06	2325	64.5	61.3	58.1	54.8	51.6	48.4	45.2	41.9	38.7	35.5	32.3	29.0	25.8	22.6	19.4	16.1	12.9	9.7	6.9	
2.12	21.09	69.2	45.3	3.08	2340	64.1	60.9	57.7	54.5	51.3	48.1	44.9	41.7	38.5	35.3	32.1	28.8	25.6	22.4	19.2	16.0	12.8	9.6	6.8	
2.14	21.29	69.8	45.5	3.10	2355	63.7	60.5	57.3	54.1	51.0	47.8	44.6	41.4	38.2	35.0	31.8	28.7	25.5	22.3	19.1	15.9	12.7	9.5	6.8	
2.16	21.49	70.5	45.8	3.12	2370	63.3	60.1	57.0	53.8	50.6	47.5	44.3	41.1	38.0	34.8	31.6	28.5	25.3	22.2	19.0	15.8	12.7	9.5	6.7	
2.18	21.69	71.2	46.1	3.14	2385	62.9	59.7	56.6	53.5	50.3	47.2	44.0	40.9	37.7	34.6	31.4	28.3	25.2	22.0	18.9	15.7	12.6	9.4	6.7	
2.20	21.89	71.8	46.4	3.16	2400	62.5	59.4	56.3	53.1	50.0	46.9	43.8	40.6	37.5	34.4	31.3	28.1	25.0	21.9	18.8	15.6	12.5	9.4	6.7	
2.22	22.08	72.5	46.7	3.18	2415	62.1	59.0	55.9	52.8	49.7	46.6	43.5	40.4	37.3	34.2	31.1	28.0	24.8	21.7	18.6	15.5	12.4	9.3	6.6	
2.24	22.28	73.1	47.0	3.20	2430	61.7	58.6	55.6	52.5	49.4	46.3	43.2	40.1	37.0	34.0	30.9	27.8	24.7	21.6	18.5	15.4	12.3	9.3	6.6	
2.26	22.48	73.8	47.3	3.22	2445	61.3	58.3	55.2	52.1	49.1	46.0	42.9	39.9	36.8	33.7	30.7	27.6	24.5	21.5	18.4	15.3	12.3	9.2	6.5	
2.28	22.68	74.4	47.6	3.24	2460	61.0	57.9	54.9	51.8	48.8	45.7	42.7	39.6	36.6	33.5	30.5	27.4	24.4	21.3	18.3	15.2	12.2	9.1	6.5	
2.30	22.88	75.1	47.9	3.26	2475	60.6	57.6	54.5	51.5	48.5	45.5	42.4	39.4	36.4	33.3	30.3	27.3	24.2	21.2	18.2	15.2	12.1	9.1	6.5	
2.32	23.08	75.7	48.2	3.28	2490	60.2	57.2	54.2	51.2	48.2	45.2	42.2	39.2	36.1	33.1	30.1	27.1	24.1	21.1	18.1	15.1	12.0	9.0	6.4	
2.34	23.28	76.4	48.4	3.30	2505	59.9	56.9	53.9	50.9	47.9	44.9	41.9	38.9	35.9	32.9	29.9	26.9	24.0	21.0	18.0	15.0	12.0	9.0	6.4	
2.36	23.48	77.0	48.7	3.32	2520	59.5	56.5	53.6	50.6	47.6	44.6	41.7	38.7	35.7	32.7	29.8	26.8	23.8	20.8	17.9	14.9	11.9	8.9	6.3	
2.38	23.68	77.7	49.0	3.34	2535	59.2	56.2	53.3	50.3	47.3	44.4	41.4	38.5	35.5	32.5	29.6	26.6	23.7	20.7	17.8	14.8	11.8	8.9	6.3	
2.40	23.88	78.3	49.3	3.36	2550	58.8	55.9	52.9	50.0	47.1	44.1	41.2	38.2	35.3	32.4	29.4	26.5	23.5	20.6	17.6	14.7	11.8	8.8	6.3	
2.42	24.07	79.0	49.6	3.38	2565	58.5	55.6	52.6	49.7	46.8	43.9	40.9	38.0	35.1	32.2	29.2	26.3	23.4	20.5	17.5	14.6	11.7	8.8	6.2	
2.44	24.27	79.6	49.9	3.39	2580	58.1	55.2	52.3	49.4	46.5	43.6	40.7	37.8	34.9	32.0	29.1	26.2	23.3	20.3	17.4	14.5	11.6	8.7	6.2	
2.46	24.47	80.3	50.2	3.41	2595	57.8	54.9	52.0	49.1	46.2	43.4	40.5	37.6	34.7	31.8	28.9	26.0	23.1	20.2	17.3	14.5	11.6	8.7	6.2	
2.48	24.67	80.9	50.5	3.43	2610	57.5	54.6	51.7	48.9	46.0	43.1	40.2	37.4	34.5	31.6	28.7	25.9	23.0	20.1	17.2	14.4	11.5	8.6	6.1	

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 6

DIMS		MSW	FSW	PSIA	ATM	MM Hg	OXYGEN PARTIAL PRESSURES < BAR / MM Hg >																			
(gauge		(absolute)	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1
							1500	1425	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375	300	225	150	
2.50	24.07	81.6	50.8	3.45	2625		57.1	54.3	51.4	48.6	45.7	42.9	40.0	37.1	34.3	31.4	28.6	25.7	22.9	20.0	17.1	14.3	11.4	8.6	6.1	
2.52	25.07	82.2	51.1	3.47	2640		56.8	54.0	51.1	48.3	45.5	42.6	39.8	36.9	34.1	31.3	28.4	25.6	22.7	19.9	17.0	14.2	11.4	8.5	6.1	
2.54	25.27	82.9	51.3	3.49	2655		56.5	53.7	50.8	48.0	45.2	42.4	39.5	36.7	33.9	31.1	28.2	25.4	22.6	19.8	16.9	14.1	11.3	8.5	6.0	
2.56	25.47	83.6	51.6	3.51	2670		56.2	53.4	50.6	47.8	44.9	42.1	39.3	36.5	33.7	30.9	28.1	25.3	22.5	19.7	16.9	14.0	11.2	8.4	6.0	
2.58	25.67	84.2	51.9	3.53	2685		55.9	53.1	50.3	47.5	44.7	41.9	39.1	36.3	33.5	30.7	27.9	25.1	22.3	19.5	16.8	14.0	11.2	8.4	5.9	
2.60	25.87	84.9	52.2	3.55	2700		55.6	52.8	50.0	47.2	44.4	41.7	38.9	36.1	33.3	30.6	27.8	25.0	22.2	19.4	16.7	13.9	11.1	8.3	5.9	
2.62	26.86	85.5	52.5	3.57	2715		55.2	52.5	49.7	47.0	44.2	41.4	38.7	35.9	33.1	30.4	27.6	24.9	22.1	19.3	16.6	13.8	11.0	8.3	5.9	
2.64	26.26	86.2	52.8	3.59	2730		54.9	52.2	49.5	46.7	44.0	41.2	38.5	35.7	33.0	30.2	27.5	24.7	22.0	19.2	16.5	13.7	11.0	8.2	5.9	
2.66	26.46	86.8	53.1	3.61	2745		54.6	51.9	49.2	46.4	43.7	41.0	38.3	35.5	32.8	30.1	27.3	24.6	21.9	19.1	16.4	13.7	10.9	8.2	5.8	
2.68	26.66	87.5	53.4	3.63	2760		54.3	51.6	48.9	46.2	43.5	40.8	38.1	35.3	32.6	29.9	27.2	24.5	21.7	19.0	16.3	13.6	10.9	8.2	5.8	
2.70	26.86	88.1	53.7	3.65	2775		54.1	51.4	48.6	45.9	43.2	40.5	37.8	35.1	32.4	29.7	27.0	24.3	21.6	18.9	16.2	13.5	10.8	8.1	5.8	
2.72	27.86	88.8	54.0	3.67	2790		53.8	51.1	48.4	45.7	43.0	40.3	37.6	34.9	32.3	29.6	26.9	24.2	21.5	18.8	16.1	13.4	10.6	8.1	5.7	
2.74	27.26	89.4	54.2	3.69	2805		53.5	50.8	48.1	45.5	42.8	40.1	37.4	34.8	32.1	29.4	26.7	24.1	21.4	18.7	16.0	13.4	10.7	8.0	5.7	
2.76	27.46	90.1	54.5	3.71	2820		53.2	50.5	47.9	45.2	42.6	39.9	37.2	34.6	31.9	29.3	26.6	23.9	21.3	18.6	16.0	13.3	10.6	8.0	5.7	
2.78	27.66	90.7	54.8	3.73	2835		52.9	50.3	47.6	45.0	42.3	39.7	37.0	34.4	31.7	29.1	26.5	23.8	21.2	18.5	15.9	13.2	10.6	7.9	5.6	
2.80	27.85	91.4	55.1	3.75	2850		52.6	50.0	47.4	44.7	42.1	39.5	36.8	34.2	31.6	28.9	26.3	23.7	21.1	18.4	15.8	13.2	10.5	7.9	5.6	
2.82	28.85	92.0	55.4	3.77	2865		52.4	49.7	47.1	44.5	41.9	39.3	36.6	34.0	31.4	28.8	26.2	23.6	20.9	18.3	15.7	13.1	10.5	7.9	5.6	
2.84	28.25	92.7	55.7	3.79	2880		52.1	49.5	46.9	44.3	41.7	39.1	36.5	33.9	31.3	28.6	26.0	23.4	20.8	18.2	15.6	13.0	10.4	7.8	5.5	
2.86	28.45	93.3	56.0	3.81	2895		51.8	49.2	46.6	44.0	41.5	38.9	36.3	33.7	31.1	28.5	25.9	23.3	20.7	18.1	15.5	13.0	10.4	7.8	5.5	
2.88	28.65	94.0	56.3	3.83	2910		51.5	49.0	46.4	43.8	41.2	38.7	36.1	33.5	30.9	28.4	25.8	23.2	20.6	18.0	15.5	12.9	10.3	7.7	5.5	
2.90	28.85	94.7	56.6	3.85	2925		51.3	48.7	46.2	43.6	41.0	38.5	35.9	33.3	30.8	28.2	25.6	23.1	20.5	17.9	15.4	12.8	10.3	7.7	5.5	
2.92	29.85	95.3	56.9	3.87	2940		51.0	48.5	45.9	43.4	40.8	38.3	35.7	33.2	30.6	28.1	25.5	23.0	20.4	17.9	15.3	12.8	10.2	7.7	5.4	
2.94	29.25	96.0	57.1	3.89	2955		50.8	48.2	45.7	43.1	40.6	38.1	35.5	33.0	30.5	27.9	25.4	22.8	20.3	17.8	15.2	12.7	10.2	7.6	5.4	
2.96	29.45	96.5	57.4	3.91	2970		50.5	48.0	45.5	42.9	40.4	37.9	35.4	32.8	30.3	27.8	25.3	22.7	20.2	17.7	15.2	12.6	10.1	7.6	5.4	
2.98	29.65	97.1	57.7	3.93	2985		50.3	47.7	45.2	42.7	40.2	37.7	35.2	32.7	30.2	27.6	25.1	22.6	20.1	17.6	15.1	12.6	10.1	7.5	5.4	

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 7

DMS (gauge	DEPTH FSW	PSIA (absolute	ATM mm Hg	OXYGEN PARTIAL PRESSURE < BAR / MM Hg >									
				1.50	1.67	1.84	2.01	2.18	2.35	2.52	2.69	2.86	3.03
3.00	29.04	97.9	58.0	3.95	3800	58.0	47.5	45.0	42.5	40.0	37.5	35.0	32.5
3.02	30.04	98.6	58.3	3.97	3915	49.8	47.3	44.8	42.3	39.8	37.3	34.8	32.3
3.04	30.24	99.2	58.6	3.99	3930	49.5	47.0	44.6	42.1	39.6	37.1	34.7	32.2
3.06	30.44	99.9	58.9	4.01	3945	49.3	46.8	44.3	41.9	39.4	36.9	34.5	32.0
3.08	30.64	100.5	59.2	4.03	3960	49.0	46.6	44.1	41.7	39.2	36.8	34.3	31.9
3.10	30.84	101.2	59.5	4.05	3975	48.8	46.3	43.9	41.5	39.0	36.6	34.1	31.7
3.12	31.04	101.8	59.8	4.07	3990	48.5	46.1	43.7	41.3	38.8	36.4	34.0	31.6
3.14	31.24	102.5	60.0	4.09	3105	48.3	45.9	43.5	41.1	38.6	36.2	33.8	31.4
3.16	31.44	103.1	60.3	4.11	3120	48.1	45.7	43.3	40.9	38.5	36.1	33.7	31.3
3.18	31.63	103.8	60.6	4.13	3135	47.8	45.5	43.1	40.7	38.3	35.9	33.5	31.1
3.20	31.83	104.4	60.9	4.14	3150	47.6	45.2	42.9	40.5	38.1	35.7	33.3	31.0
3.22	32.03	105.1	61.2	4.16	3165	47.4	45.0	42.7	40.3	37.9	35.5	33.2	30.8
3.24	32.23	105.7	61.5	4.18	3180	47.2	44.8	42.5	40.1	37.7	35.4	33.0	30.7
3.26	32.43	106.4	61.8	4.20	3195	46.9	44.6	42.3	39.9	37.6	35.2	32.9	30.5
3.28	32.63	107.1	62.1	4.22	3210	46.7	44.4	42.1	39.7	37.4	35.0	32.7	30.4
3.30	32.83	107.7	62.4	4.24	3225	46.5	44.2	41.9	39.5	37.2	34.9	32.6	30.2
3.32	33.03	108.4	62.7	4.26	3240	46.3	44.0	41.7	39.4	37.0	34.7	32.4	30.1
3.34	33.23	109.0	62.9	4.28	3255	46.1	43.8	41.5	39.2	36.9	34.6	32.3	29.8
3.36	33.43	109.7	63.2	4.30	3270	45.9	43.6	41.3	39.0	36.7	34.4	32.1	29.8
3.38	33.62	110.3	63.5	4.32	3285	45.7	43.4	41.1	38.8	36.5	34.2	32.0	29.7
3.40	33.82	111.0	63.8	4.34	3300	45.5	43.2	40.9	38.6	36.4	34.1	31.8	29.5
3.42	34.02	111.6	64.1	4.36	3315	45.2	43.0	40.7	38.5	36.2	33.9	31.7	29.4
3.44	34.22	112.3	64.4	4.38	3330	45.0	42.8	40.5	38.3	36.0	33.8	31.5	29.3
3.46	34.42	112.9	64.7	4.40	3345	44.9	42.6	40.4	38.1	35.9	33.6	31.4	29.1
3.48	34.62	113.6	65.0	4.42	3360	44.6	42.4	40.2	37.9	35.7	33.5	31.3	29.0

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 8

DEPTH		OXYGEN		PARTIAL PRESSURE		BAR/MM	
MS	FW	PSIA	ATM	MS	FW	PSIA	ATM
3.50	34.82	114.2	4.44	3375	44.4	42.2	40.1
3.52	35.02	114.9	4.46	3390	44.2	42.0	39.8
3.54	35.22	115.5	4.48	3405	44.1	41.9	39.6
3.56	35.42	116.2	4.50	3420	43.9	41.7	39.5
3.58	35.61	116.8	4.52	3435	43.7	41.5	39.3
3.60	35.81	117.5	4.54	3450	43.5	41.3	39.1
3.62	36.01	118.1	4.56	3465	43.3	41.1	39.0
3.64	36.21	118.8	4.58	3480	43.1	40.9	38.8
3.66	36.41	119.5	4.60	3495	42.9	40.8	38.6
3.68	36.61	120.1	4.62	3510	42.7	40.6	38.5
3.70	36.81	120.8	4.64	3525	42.6	40.4	38.3
3.72	37.01	121.4	4.66	3540	42.4	40.3	38.1
3.74	37.21	122.1	4.68	3555	42.2	40.1	38.0
3.76	37.40	122.7	4.70	3570	42.0	39.9	37.8
3.78	37.60	123.4	4.72	3585	41.8	39.7	37.7
3.80	37.80	124.0	4.74	3600	41.7	39.6	37.5
3.82	38.00	124.7	4.76	3615	41.5	39.4	37.3
3.84	38.20	125.3	4.78	3630	41.3	39.3	37.2
3.86	38.40	126.0	4.80	3645	41.2	39.1	37.0
3.88	38.60	126.6	4.82	3660	41.0	38.9	36.9
3.90	38.80	127.3	4.84	3675	40.8	38.8	36.7
3.92	39.00	127.9	4.86	3690	40.7	38.6	36.6
3.94	39.20	128.5	4.88	3705	40.5	38.5	36.4
3.96	39.39	129.2	4.90	3720	40.3	38.3	36.3
3.98	39.59	129.9	4.91	3735	40.2	38.2	36.1

DEPT 14		COXYGEN PARTIAL PRESSURE (BAR/MM Hg)																							
POS	NEW	FS	PSIA	ATM	MM Hg	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1
(page)	(absolute)	130	125	120	115	110	105	100	95	90	85	80	75	70	65	60	55	50	45	40	35
4.00	37.77	130.6	72.5	4.93	3750	40.0	38.0	36.0	34.0	32.0	30.0	28.0	26.0	24.0	22.0	20.0	18.0	16.0	14.0	12.0	10.0	8.0	6.0	4.0	
4.02	37.77	131.2	72.6	4.95	3765	39.8	37.8	35.9	33.9	31.9	29.9	27.9	25.9	23.9	21.9	19.9	17.9	15.9	13.9	12.0	10.0	8.0	6.0	4.2	
4.04	40.19	131.9	73.1	4.97	3760	39.7	37.7	35.7	33.7	31.7	29.8	27.0	25.0	23.0	21.0	19.0	17.9	15.9	13.9	11.9	9.9	7.9	6.0	4.2	
4.06	40.37	132.5	73.4	4.99	3775	39.5	37.5	35.6	33.6	31.6	29.6	27.7	25.7	23.7	21.7	19.8	17.8	15.8	13.8	11.9	9.9	7.9	5.9	4.2	
4.08	44.57	133.2	73.7	5.01	3810	39.4	37.4	35.4	33.5	31.5	29.5	27.6	25.6	23.6	21.7	19.7	17.7	15.7	13.8	11.8	9.8	7.9	5.9	4.2	
4.10	44.77	133.8	74.0	5.03	3825	39.2	37.3	35.3	33.3	31.4	29.4	27.5	25.5	23.5	21.6	19.6	17.6	15.7	13.7	11.8	9.8	7.8	5.9	4.2	
4.12	40.97	134.5	74.3	5.05	3840	39.1	37.1	35.2	33.2	31.3	29.3	27.3	25.4	23.4	21.5	19.5	17.6	15.6	13.7	11.7	9.8	7.8	5.9	4.2	
4.14	41.19	135.1	74.6	5.07	3855	38.9	37.0	35.0	33.1	31.1	29.2	27.2	25.3	23.3	21.4	19.5	17.5	15.6	13.6	11.7	9.7	7.8	5.8	4.1	
4.16	41.38	135.8	74.8	5.09	3870	38.8	36.8	34.9	32.9	31.0	29.1	27.1	25.2	23.2	21.3	19.4	17.4	15.5	13.6	11.6	9.7	7.8	5.8	4.1	
4.18	41.58	136.4	75.1	5.11	3885	38.6	36.7	34.7	32.8	30.9	29.0	27.0	25.1	23.2	21.2	19.3	17.4	15.4	13.5	11.6	9.7	7.7	5.8	4.1	
4.20	41.78	137.1	75.4	5.13	3900	38.5	36.5	34.6	32.7	30.8	28.8	26.9	25.0	23.1	21.2	19.2	17.3	15.4	13.5	11.5	9.6	7.7	5.8	4.1	
4.22	41.98	137.7	75.7	5.15	3915	38.3	36.4	34.5	32.6	30.7	28.7	26.8	24.9	23.0	21.1	19.2	17.2	15.3	13.4	11.5	9.6	7.7	5.7	4.1	
4.24	42.18	138.4	76.0	5.17	3930	38.2	36.3	34.4	32.4	30.5	28.6	26.7	24.8	22.9	21.0	19.1	17.2	15.3	13.4	11.5	9.5	7.6	5.7	4.1	
4.26	42.38	139.0	76.3	5.19	3945	38.0	36.1	34.2	32.3	30.4	28.5	26.6	24.7	22.8	20.9	19.0	17.1	15.2	13.3	11.4	9.5	7.6	5.7	4.0	
4.28	42.58	139.7	76.6	5.21	3960	37.9	36.0	34.1	32.2	30.3	28.4	26.5	24.6	22.7	20.8	18.9	17.0	15.2	13.3	11.4	9.5	7.6	5.7	4.0	
4.30	42.78	140.3	76.9	5.23	3975	37.7	35.8	34.0	32.1	30.2	28.3	26.4	24.5	22.6	20.8	18.9	17.0	15.1	13.2	11.3	9.4	7.5	5.7	4.0	
4.32	42.98	141.6	77.2	5.25	3990	37.6	35.7	33.8	32.0	30.1	28.2	26.3	24.4	22.6	20.7	18.8	16.9	15.0	13.2	11.3	9.4	7.5	5.6	4.0	
4.34	43.17	141.6	77.5	5.27	4005	37.5	35.6	33.7	31.8	30.0	28.1	26.2	24.3	22.5	20.6	18.7	16.9	15.0	13.1	11.2	9.4	7.5	5.6	4.0	
4.36	43.37	142.3	77.7	5.29	4020	37.3	35.4	33.6	31.7	29.9	28.0	26.1	24.3	22.4	20.5	18.7	16.8	14.9	13.1	11.2	9.3	7.5	5.6	4.0	
4.38	43.57	143.1	78.0	5.31	4035	37.2	35.3	33.5	31.6	29.7	27.9	26.0	24.2	22.3	20.4	18.6	16.7	14.9	13.0	11.2	9.3	7.4	5.6	4.0	
4.40	43.77	143.6	78.3	5.33	4050	37.0	35.2	33.3	31.5	29.6	27.8	25.9	24.1	22.2	20.4	18.5	16.7	14.8	13.0	11.1	9.3	7.4	5.6	3.9	
4.42	43.97	144.3	78.6	5.35	4065	36.9	35.1	33.2	31.4	29.5	27.7	25.8	24.0	22.1	20.3	18.5	16.6	14.8	12.9	11.1	9.2	7.4	5.5	3.9	
4.44	44.17	144.9	78.9	5.37	4080	36.8	34.9	33.1	31.3	29.4	27.6	25.7	23.9	22.1	20.2	18.4	16.5	14.7	12.9	11.0	9.2	7.4	5.5	3.9	
4.46	44.37	145.6	79.2	5.39	4095	36.6	34.8	33.0	31.1	29.3	27.5	25.6	23.8	22.0	20.1	18.3	16.5	14.7	12.8	11.0	9.2	7.3	5.5	3.9	
4.48	44.57	146.2	79.5	5.41	4110	36.5	34.7	32.8	31.0	29.2	27.4	25.5	23.7	21.9	20.1	18.2	16.4	14.6	12.8	10.9	9.1	7.3	5.5	3.9	

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 11

DEPTH			OXYGEN PARTIAL PRESSURE / MM Hg																					
MM gauge	FSH	PSIA (absolute	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360
5.00	49.74	163.2	87.0	5.92	4580	33.3	31.7	30.0	28.3	26.7	25.0	23.3	21.7	20.0	18.3	16.7	15.0	13.3	11.7	10.0	8.3	6.7	5.0	3.6
5.02	49.94	163.8	87.3	5.94	4515	33.2	31.6	29.9	28.2	26.6	24.9	23.3	21.6	19.9	18.3	16.6	15.0	13.3	11.6	10.0	8.3	6.6	5.0	3.5
5.04	50.14	164.5	87.6	5.96	4530	33.1	31.5	29.8	28.1	26.5	24.8	23.2	21.5	19.9	18.2	16.6	14.9	13.2	11.6	9.9	8.3	6.6	5.0	3.5
5.06	50.34	165.1	87.9	5.98	4545	33.0	31.4	29.7	28.1	26.4	24.8	23.1	21.5	19.8	18.2	16.5	14.9	13.2	11.6	9.9	8.3	6.6	5.0	3.5
5.08	50.54	165.8	88.2	6.00	4560	32.9	31.3	29.6	28.0	26.3	24.7	23.0	21.4	19.7	18.1	16.4	14.8	13.2	11.5	9.9	8.2	6.6	4.9	3.5
5.10	50.74	166.5	88.5	6.02	4575	32.8	31.1	29.5	27.9	26.2	24.6	23.0	21.3	19.7	18.0	16.4	14.8	13.1	11.5	9.8	8.2	6.6	4.9	3.5
5.12	50.93	167.1	88.8	6.04	4590	32.7	31.0	29.4	27.8	26.1	24.5	22.9	21.2	19.6	18.0	16.3	14.7	13.1	11.4	9.8	8.2	6.5	4.9	3.5
5.14	51.13	167.8	89.1	6.06	4605	32.6	30.9	29.3	27.7	26.1	24.4	22.8	21.2	19.5	17.9	16.3	14.7	13.0	11.4	9.8	8.1	6.5	4.9	3.5
5.16	51.33	168.4	89.3	6.08	4620	32.5	30.8	29.2	27.6	26.0	24.4	22.7	21.1	19.5	17.9	16.2	14.6	13.0	11.4	9.7	8.1	6.5	4.9	3.5
5.18	51.53	169.1	89.6	6.10	4635	32.4	30.7	29.1	27.5	25.9	24.3	22.7	21.0	19.4	17.8	16.2	14.6	12.9	11.3	9.7	8.1	6.5	4.9	3.4
5.20	51.73	169.7	89.9	6.12	4650	32.3	30.6	29.0	27.4	25.8	24.2	22.6	21.0	19.4	17.7	16.1	14.5	12.9	11.3	9.7	8.1	6.5	4.8	3.4
5.22	51.93	170.4	90.2	6.14	4665	32.2	30.5	28.9	27.3	25.7	24.1	22.5	20.9	19.3	17.7	16.1	14.5	12.9	11.3	9.6	8.0	6.4	4.8	3.4
5.24	52.13	171.0	90.5	6.16	4680	32.1	30.4	28.8	27.2	25.6	24.0	22.4	20.8	19.2	17.6	16.0	14.4	12.8	11.2	9.6	8.0	6.4	4.8	3.4
5.26	52.33	171.7	90.8	6.18	4695	31.9	30.4	28.8	27.2	25.6	24.0	22.4	20.8	19.2	17.6	16.0	14.4	12.8	11.2	9.6	8.0	6.4	4.8	3.4
5.28	52.53	172.3	91.1	6.20	4710	31.8	30.3	28.7	27.1	25.5	23.9	22.3	20.7	19.1	17.5	15.9	14.3	12.7	11.1	9.6	8.0	6.4	4.8	3.4
5.30	52.72	173.0	91.4	6.22	4725	31.7	30.2	28.6	27.0	25.4	23.8	22.2	20.6	19.0	17.5	15.9	14.3	12.7	11.1	9.5	7.9	6.3	4.8	3.4
5.32	52.92	173.6	91.7	6.24	4740	31.6	30.1	28.5	26.9	25.3	23.7	22.2	20.6	19.0	17.4	15.8	14.2	12.7	11.1	9.5	7.9	6.3	4.7	3.4
5.34	53.12	174.3	92.0	6.26	4755	31.5	30.0	28.4	26.8	25.2	23.7	22.1	20.5	18.9	17.4	15.8	14.2	12.6	11.0	9.5	7.9	6.3	4.7	3.4
5.36	53.32	174.9	92.2	6.28	4770	31.4	29.9	28.3	26.7	25.2	23.6	22.0	20.4	18.9	17.3	15.7	14.2	12.6	11.0	9.4	7.9	6.3	4.7	3.3
5.38	53.52	175.6	92.5	6.30	4785	31.3	29.8	28.2	26.6	25.1	23.5	21.9	20.4	18.8	17.2	15.7	14.1	12.5	11.0	9.4	7.8	6.3	4.7	3.3
5.40	53.72	176.2	92.8	6.32	4800	31.3	29.7	28.1	26.6	25.0	23.4	21.9	20.3	18.8	17.2	15.6	14.1	12.5	10.9	9.4	7.8	6.3	4.7	3.3
5.42	53.92	176.9	93.1	6.34	4815	31.2	29.6	28.0	26.5	24.9	23.4	21.8	20.2	18.7	17.1	15.6	14.0	12.5	10.9	9.3	7.8	6.2	4.7	3.3
5.44	54.12	177.6	93.4	6.36	4830	31.1	29.5	28.0	26.4	24.8	23.3	21.7	20.2	18.6	17.1	15.5	14.0	12.4	10.9	9.3	7.8	6.2	4.7	3.3
5.46	54.32	178.2	93.7	6.38	4845	31.0	29.4	27.9	26.3	24.8	23.2	21.7	20.1	18.6	17.0	15.5	13.9	12.4	10.8	9.3	7.7	6.2	4.6	3.3
5.48	54.52	178.9	94.0	6.40	4860	30.9	29.3	27.8	26.2	24.7	23.1	21.6	20.1	18.5	17.0	15.4	13.9	12.3	10.8	9.3	7.7	6.2	4.6	3.3

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 12

DEPT 1-1				OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																				
PMS	NEW	FSM	PSIA	ATM	MM Hg	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
(	gauge	)	(	absolute	)	150	145	140	135	130	125	120	115	110	105	100	95	90	85	80	75	70	65	60
5.59	54.71	179.5	94.3	6.41	4875	30.8	29.2	27.7	26.2	24.6	23.1	21.5	20.0	18.5	16.9	15.4	13.8	12.3	10.8	9.2	7.7	6.2	4.6	3.1
5.52	54.91	180.2	94.6	6.43	4890	30.7	29.1	27.6	26.1	24.5	23.0	21.5	19.9	18.4	16.9	15.3	13.8	12.3	10.7	9.2	7.7	6.1	4.6	3.1
5.54	55.11	180.8	94.9	6.45	4905	30.6	29.1	27.5	26.0	24.5	22.9	21.4	19.9	18.3	16.8	15.3	13.8	12.2	10.7	9.2	7.6	6.1	4.6	3.1
5.56	55.31	181.5	95.1	6.47	4920	30.5	29.0	27.4	25.9	24.4	22.9	21.3	19.8	18.3	16.8	15.2	13.7	12.2	10.7	9.1	7.6	6.1	4.6	3.2
5.58	55.51	182.1	95.4	6.49	4935	30.4	28.9	27.4	25.8	24.3	22.8	21.3	19.8	18.2	16.7	15.2	13.7	12.2	10.6	9.1	7.6	6.1	4.6	3.2
5.60	55.71	182.8	95.7	6.51	4950	30.3	28.8	27.3	25.8	24.2	22.7	21.2	19.7	18.2	16.7	15.2	13.6	12.1	10.6	9.1	7.6	6.1	4.5	3.2
5.62	55.91	183.4	96.0	6.53	4965	30.2	28.7	27.2	25.7	24.2	22.7	21.1	19.6	18.1	16.6	15.1	13.6	12.1	10.6	9.1	7.6	6.0	4.5	3.2
5.64	56.11	184.1	96.3	6.55	4980	30.1	28.6	27.1	25.6	24.1	22.6	21.1	19.6	18.1	16.6	15.1	13.6	12.0	10.5	9.0	7.5	6.0	4.5	3.2
5.66	56.31	184.7	96.6	6.57	4995	30.0	28.5	27.0	25.5	24.0	22.5	21.0	19.5	18.0	16.5	15.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	3.2
5.68	56.51	185.4	96.9	6.59	5010	29.9	28.4	26.9	25.4	24.0	22.5	21.0	19.5	18.0	16.5	15.0	13.5	12.0	10.5	9.0	7.5	6.0	4.5	3.2
5.70	56.70	186.0	97.2	6.61	5025	29.9	28.4	26.9	25.4	23.9	22.4	20.9	19.4	17.9	16.4	14.9	13.4	11.9	10.4	9.0	7.5	6.0	4.5	3.2
5.72	56.90	186.7	97.5	6.63	5040	29.8	28.3	26.8	25.3	23.8	22.3	20.8	19.3	17.9	16.4	14.9	13.4	11.9	10.4	8.9	7.4	6.0	4.5	3.2
5.74	57.10	187.3	97.8	6.65	5055	29.7	28.2	26.7	25.2	23.7	22.3	20.8	19.3	17.8	16.3	14.8	13.4	11.9	10.4	8.9	7.4	5.9	4.5	3.2
5.76	57.30	188.0	98.0	6.67	5070	29.6	28.1	26.6	25.1	23.7	22.2	20.7	19.2	17.8	16.3	14.8	13.3	11.8	10.4	8.9	7.4	5.9	4.4	3.2
5.78	57.50	188.6	98.3	6.69	5085	29.5	28.0	26.5	25.1	23.6	22.1	20.6	19.2	17.7	16.2	14.7	13.3	11.8	10.3	8.8	7.4	5.9	4.4	3.1
5.80	57.70	189.3	98.6	6.71	5100	29.4	27.9	26.5	25.0	23.5	22.1	20.6	19.1	17.6	16.2	14.7	13.2	11.8	10.3	8.8	7.4	5.9	4.4	3.1
5.82	57.90	190.0	98.9	6.73	5115	29.3	27.9	26.4	24.9	23.5	22.0	20.5	19.1	17.6	16.1	14.7	13.2	11.7	10.3	8.8	7.3	5.9	4.4	3.1
5.84	58.10	190.6	99.2	6.75	5130	29.2	27.8	26.3	24.9	23.4	21.9	20.5	19.0	17.5	16.1	14.6	13.2	11.7	10.2	8.8	7.3	5.8	4.4	3.1
5.86	58.30	191.3	99.5	6.77	5145	29.2	27.7	26.2	24.8	23.3	21.9	20.4	19.0	17.5	16.0	14.6	13.1	11.7	10.2	8.7	7.3	5.8	4.4	3.1
5.88	58.49	191.9	99.8	6.79	5160	29.1	27.6	26.2	24.7	23.3	21.8	20.3	18.9	17.4	16.0	14.5	13.1	11.6	10.2	8.7	7.3	5.8	4.4	3.1
5.90	58.69	192.6	100.1	6.81	5175	29.0	27.5	26.1	24.6	23.2	21.7	20.3	18.8	17.4	15.9	14.5	13.0	11.6	10.1	8.7	7.2	5.8	4.3	3.1
5.92	58.89	193.2	100.4	6.83	5190	28.9	27.5	26.0	24.6	23.1	21.7	20.2	18.8	17.3	15.9	14.5	13.0	11.6	10.1	8.7	7.2	5.8	4.3	3.1
5.94	59.09	193.9	100.7	6.85	5205	28.8	27.4	25.9	24.5	23.1	21.6	20.2	18.7	17.3	15.9	14.4	13.0	11.5	10.1	8.6	7.2	5.8	4.3	3.1
5.96	59.29	194.5	100.9	6.87	5220	28.7	27.3	25.9	24.4	23.0	21.6	20.1	18.7	17.2	15.8	14.4	12.9	11.5	10.1	8.6	7.2	5.7	4.3	3.1
5.98	59.49	195.2	101.2	6.89	5235	28.7	27.2	25.8	24.4	22.9	21.5	20.1	18.6	17.2	15.8	14.3	12.9	11.5	10.0	8.6	7.2	5.7	4.3	3.1

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 13

DEPTH			OXYGEN										PARTIAL										PRESSURE										BAR/MM										HG																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
DMS	MSW	FSW	PSIA	ATM	MM Hg	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	DMS	MSW	FSW	PSIA	ATM	MM Hg	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
(gauge)	(absolute)	1500	1405	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375	300	225	150																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 14

DEPTH			OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																					
DMS	MSW	FSW	PSIA	ATM	MM Hg	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
(	gauge	)	(	absolute	)	1500	1425	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375	300	225	150
6.50	64.66	212.1	100.8	7.40	5695	26.7	25.3	24.0	22.7	21.3	20.0	18.7	17.3	16.0	14.7	13.3	12.0	10.7	9.3	8.0	6.7	5.3	4.0	2.8
6.52	64.86	212.8	109.1	7.42	5640	26.6	25.3	23.9	22.4	21.3	19.9	18.6	17.3	16.0	14.6	13.3	12.0	10.6	9.3	8.0	6.6	5.3	4.0	2.8
6.54	65.06	213.5	109.4	7.44	5655	26.5	25.2	23.9	22.5	21.2	19.9	18.6	17.2	15.9	14.6	13.3	11.9	10.6	9.3	8.0	6.6	5.3	4.0	2.8
6.56	65.26	214.1	109.7	7.46	5670	26.5	25.1	23.8	22.5	21.2	19.8	18.5	17.2	15.9	14.6	13.2	11.9	10.6	9.3	7.9	6.6	5.3	4.0	2.8
6.58	65.46	214.8	109.9	7.48	5685	26.4	25.1	23.7	22.4	21.1	19.8	18.5	17.2	15.9	14.5	13.2	11.9	10.6	9.2	7.9	6.6	5.3	4.0	2.8
6.60	65.66	215.4	110.2	7.50	5700	26.3	25.0	23.7	22.4	21.1	19.7	18.4	17.1	15.8	14.5	13.2	11.8	10.5	9.2	7.9	6.6	5.3	3.9	2.8
6.62	65.86	216.1	110.5	7.52	5715	26.2	24.9	23.6	22.3	21.0	19.7	18.4	17.1	15.7	14.4	13.1	11.8	10.5	9.2	7.9	6.6	5.2	3.9	2.8
6.64	66.06	216.7	110.8	7.54	5730	26.2	24.9	23.6	22.3	20.9	19.6	18.3	17.0	15.7	14.4	13.1	11.8	10.5	9.2	7.9	6.5	5.2	3.9	2.8
6.66	66.25	217.4	111.1	7.56	5745	26.1	24.8	23.5	22.2	20.9	19.6	18.3	17.0	15.7	14.4	13.1	11.7	10.4	9.1	7.8	6.5	5.2	3.9	2.8
6.68	66.45	218.0	111.4	7.58	5760	26.0	24.7	23.4	22.1	20.8	19.5	18.2	16.9	15.6	14.3	13.0	11.7	10.4	9.1	7.8	6.5	5.2	3.9	2.8
6.70	66.65	218.7	111.7	7.60	5775	26.0	24.7	23.4	22.1	20.8	19.5	18.2	16.9	15.6	14.3	13.0	11.7	10.4	9.1	7.8	6.5	5.2	3.9	2.8
6.72	66.85	219.3	112.0	7.62	5790	25.9	24.6	23.3	22.0	20.7	19.4	18.1	16.8	15.5	14.2	13.0	11.7	10.4	9.1	7.8	6.5	5.2	3.9	2.8
6.74	67.05	220.0	112.3	7.64	5805	25.8	24.5	23.3	22.0	20.7	19.4	18.1	16.8	15.5	14.2	12.9	11.6	10.3	9.0	7.8	6.5	5.2	3.9	2.8
6.76	67.25	220.6	112.6	7.66	5820	25.8	24.5	23.2	21.9	20.6	19.3	18.0	16.8	15.5	14.2	12.9	11.6	10.3	9.0	7.7	6.4	5.2	3.9	2.7
6.78	67.45	221.3	112.8	7.68	5835	25.7	24.4	23.1	21.7	20.6	19.3	18.0	16.7	15.4	14.1	12.9	11.6	10.3	9.0	7.7	6.4	5.1	3.9	2.7
6.80	67.65	221.9	113.1	7.70	5850	25.6	24.4	23.1	21.8	20.5	19.2	17.9	16.7	15.4	14.1	12.8	11.5	10.3	9.0	7.7	6.4	5.1	3.8	2.7
6.82	67.85	222.6	113.4	7.72	5965	25.6	24.3	23.0	21.7	20.5	19.2	17.9	16.6	15.3	14.1	12.8	11.5	10.2	9.0	7.7	6.4	5.1	3.8	2.7
6.84	68.05	223.2	113.7	7.74	5880	25.5	24.2	23.0	21.7	20.4	19.1	17.9	16.6	15.3	14.0	12.8	11.5	10.2	8.9	7.7	6.4	5.1	3.8	2.7
6.86	68.24	223.9	114.0	7.76	5895	25.4	24.2	22.9	21.6	20.4	19.1	17.8	16.5	15.3	14.0	12.7	11.5	10.2	8.9	7.6	6.4	5.1	3.8	2.7
6.88	68.44	224.5	114.3	7.78	5910	25.4	24.1	22.8	21.6	20.3	19.0	17.8	16.5	15.2	14.0	12.7	11.4	10.2	8.9	7.6	6.3	5.1	3.8	2.7
6.90	68.64	225.2	114.6	7.80	5925	25.3	24.1	22.8	21.5	20.3	19.0	17.7	16.5	15.2	13.9	12.7	11.4	10.1	8.9	7.6	6.3	5.1	3.8	2.7
6.92	68.84	225.9	114.9	7.82	5940	25.3	24.0	22.7	21.5	20.2	18.9	17.7	16.4	15.2	13.9	12.6	11.4	10.1	8.8	7.6	6.3	5.1	3.8	2.7
6.94	69.04	226.5	115.2	7.84	5955	25.2	23.9	22.7	21.4	20.2	18.9	17.6	16.4	15.1	13.9	12.6	11.3	10.1	8.8	7.6	6.3	5.0	3.8	2.7
6.96	69.24	227.2	115.5	7.86	5970	25.1	23.9	22.6	21.4	20.1	18.8	17.6	16.3	15.1	13.8	12.6	11.3	10.1	8.8	7.5	6.3	5.0	3.8	2.7
6.98	69.44	227.8	115.7	7.88	5985	25.1	23.8	22.6	21.3	20.1	18.8	17.5	16.3	15.0	13.8	12.5	11.3	10.0	8.8	7.5	6.3	5.0	3.8	2.7

DEPTH		OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																								
FMS	PSIA	7.90	7.91	7.92	7.95	7.97	7.99	8.01	8.03	8.05	8.07	8.09	8.11	8.13	8.15	8.17	8.19	8.21	8.23	8.25	8.27	8.29	8.31	8.33	8.35	8.37
7.00	69.64	228.5	116.0	6000	25.0	23.0	22.5	21.3	20.0	18.8	17.5	16.3	15.0	13.8	12.5	11.3	10.0	8.8	7.5	6.3	5.0	3.8	2.7			
7.02	69.84	229.1	116.3	6015	24.7	23.7	22.4	21.2	20.0	18.7	17.5	16.2	15.0	13.7	12.5	11.2	10.0	8.7	7.5	6.2	5.0	3.7	2.7			
7.04	70.03	229.8	116.6	6030	24.9	23.6	22.4	21.1	19.9	18.7	17.4	16.2	14.9	13.7	12.4	11.2	10.0	8.7	7.5	6.2	5.0	3.7	2.6			
7.06	70.23	230.4	116.9	6045	24.8	23.6	22.3	21.1	19.9	18.6	17.4	16.1	14.9	13.6	12.4	11.2	9.9	8.7	7.4	6.2	5.0	3.7	2.6			
7.08	70.43	231.1	117.2	6060	24.8	23.5	22.3	21.0	19.8	18.6	17.3	16.1	14.9	13.6	12.4	11.1	9.9	8.7	7.4	6.2	5.0	3.7	2.6			
7.10	70.63	231.7	117.5	6075	24.7	23.5	22.2	21.0	19.8	18.5	17.3	16.0	14.8	13.6	12.3	11.1	9.9	8.6	7.4	6.2	4.9	3.7	2.6			
7.12	70.83	232.4	117.8	6090	24.6	23.4	22.2	20.9	19.7	18.5	17.2	16.0	14.8	13.5	12.3	11.1	9.9	8.6	7.4	6.2	4.9	3.7	2.6			
7.14	71.03	233.0	118.1	6105	24.6	23.3	22.1	20.9	19.7	18.4	17.2	16.0	14.7	13.5	12.3	11.1	9.8	8.6	7.4	6.1	4.9	3.7	2.6			
7.16	71.23	233.7	118.4	6120	24.5	23.3	22.1	20.8	19.6	18.4	17.2	15.9	14.7	13.5	12.3	11.0	9.8	8.6	7.4	6.1	4.9	3.7	2.6			
7.18	71.43	234.3	118.6	6135	24.4	23.2	22.0	20.8	19.6	18.3	17.1	15.9	14.7	13.4	12.2	11.0	9.8	8.6	7.3	6.1	4.9	3.7	2.6			
7.20	71.63	235.0	118.9	6150	24.4	23.2	22.0	20.7	19.5	18.3	17.1	15.9	6	13.4	12.2	11.0	9.8	8.5	7.3	6.1	4.9	3.7	2.6			
7.22	71.83	235.6	119.2	6165	24.3	23.1	21.9	20.7	19.5	18.2	17.0	15.8	14.6	13.4	12.2	10.9	9.7	8.5	7.3	6.1	4.9	3.6	2.6			
7.24	72.02	236.3	119.5	6180	24.3	23.1	21.8	20.6	19.4	18.2	17.0	15.8	14.6	13.3	12.1	10.9	9.7	8.5	7.3	6.1	4.9	3.6	2.6			
7.26	72.22	237.0	119.8	6195	24.2	23.0	21.8	20.6	19.4	18.2	16.9	15.7	14.5	13.3	12.1	10.9	9.7	8.5	7.3	6.1	4.8	3.6	2.6			
7.28	72.42	237.6	120.1	6210	24.2	22.9	21.7	20.5	19.3	18.1	16.9	15.7	14.5	13.3	12.1	10.9	9.7	8.5	7.2	6.0	4.8	3.6	2.6			
7.30	72.62	238.3	120.4	6225	24.1	22.9	21.7	20.5	19.3	18.1	16.9	15.7	14.5	13.3	12.0	10.8	9.6	8.4	7.2	6.0	4.8	3.6	2.6			
7.32	72.82	238.9	120.7	6240	24.1	22.8	21.6	20.4	19.2	18.0	16.8	15.6	14.4	13.2	12.0	10.8	9.6	8.4	7.2	6.0	4.8	3.6	2.6			
7.34	73.02	239.6	121.0	6256	24.1	22.8	21.6	20.4	19.2	18.0	16.8	15.6	14.4	13.2	12.0	10.8	9.6	8.4	7.2	6.0	4.8	3.6	2.6			
7.36	73.22	240.2	121.3	6271	23.9	22.7	21.5	20.3	19.1	17.9	16.7	15.6	14.4	13.2	12.0	10.8	9.6	8.4	7.2	6.0	4.8	3.6	2.5			
7.38	73.42	240.9	121.5	6286	23.9	22.7	21.5	20.3	19.1	17.9	16.7	15.5	14.3	13.1	11.9	10.7	9.5	8.4	7.2	6.0	4.8	3.6	2.5			
7.40	73.62	241.5	121.8	6301	23.8	22.6	21.4	20.2	19.0	17.9	16.7	15.5	14.3	13.1	11.9	10.7	9.5	8.3	7.1	6.0	4.8	3.6	2.5			
7.42	73.81	242.2	122.1	6316	23.8	22.6	21.4	20.2	19.0	17.8	16.6	15.4	14.3	13.1	11.9	10.7	9.5	8.3	7.1	5.9	4.8	3.6	2.5			
7.44	74.01	242.8	122.4	6331	23.7	22.5	21.3	20.1	19.0	17.8	16.6	15.4	14.2	13.0	11.8	10.7	9.5	8.3	7.1	5.9	4.7	3.6	2.5			
7.46	74.21	243.5	122.7	6346	23.6	22.5	21.3	20.1	18.9	17.7	16.5	15.4	14.2	13.0	11.8	10.6	9.5	8.3	7.1	5.9	4.7	3.5	2.5			
7.48	74.41	244.1	123.0	6361	23.6	22.4	21.2	20.0	18.9	17.7	16.5	15.3	14.2	13.0	11.8	10.6	9.4	8.3	7.1	5.9	4.7	3.5	2.5			

DIEP TH			COXYGEN PARTIAL PRESSURE (KAR/M)										PRESSURE (KAR/M)											
DATE	NSM gauge	FSM	PSIA	ATM absolute	MM Hg	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300			
7.50	74.61	244.8	123.3	8.39	6376	23.5	22.4	21.2	20.0	18.8	17.6	16.5	15.3	14.1	12.9	11.8	10.6	9.4	8.2	7.1	5.9	4.7	3.5	2.5
7.52	74.81	245.4	123.6	8.41	6391	23.5	22.3	21.1	20.0	18.8	17.6	16.4	15.3	14.1	12.9	11.7	10.6	9.4	8.2	7.0	5.9	4.7	3.5	2.5
7.54	75.01	246.1	123.9	8.43	6406	23.4	22.2	21.1	19.9	18.7	17.5	16.4	15.2	14.1	12.9	11.7	10.5	9.4	8.2	7.0	5.9	4.7	3.5	2.5
7.56	75.21	246.7	124.2	8.45	6421	23.4	22.2	21.0	19.9	18.7	17.5	16.4	15.2	14.0	12.9	11.7	10.5	9.3	8.2	7.0	5.8	4.7	3.5	2.5
7.58	75.41	247.4	124.4	8.47	6436	23.3	22.1	21.0	19.8	18.6	17.5	16.3	15.2	14.0	12.8	11.7	10.5	9.3	8.2	7.0	5.8	4.7	3.5	2.5
7.60	75.61	248.0	124.7	8.49	6451	23.3	22.1	20.9	19.8	18.6	17.4	16.3	15.1	14.0	12.8	11.6	10.5	9.3	8.1	7.0	5.8	4.7	3.5	2.5
7.62	75.80	248.7	125.0	8.51	6466	23.2	22.0	20.9	19.7	18.6	17.4	16.2	15.1	13.9	12.8	11.6	10.4	9.3	8.1	7.0	5.8	4.6	3.5	2.5
7.64	76.00	249.4	125.3	8.53	6481	23.1	22.0	20.8	19.7	18.5	17.4	16.2	15.0	13.9	12.7	11.6	10.4	9.3	8.1	6.9	5.8	4.6	3.5	2.5
7.66	76.20	250.0	125.6	8.55	6496	23.1	21.9	20.8	19.6	18.5	17.3	16.2	15.0	13.9	12.7	11.5	10.4	9.2	8.1	6.9	5.8	4.6	3.5	2.5
7.68	76.40	250.7	125.9	8.57	6511	23.0	21.9	20.7	19.6	18.4	17.3	16.1	15.0	13.8	12.7	11.5	10.4	9.2	8.1	6.9	5.8	4.6	3.5	2.5
7.70	76.60	251.3	126.2	8.59	6526	23.0	21.8	20.7	19.5	18.4	17.2	16.1	14.9	13.8	12.6	11.5	10.3	9.2	8.0	6.9	5.7	4.6	3.4	2.4
7.72	76.80	252.0	126.5	8.61	6541	22.9	21.8	20.6	19.5	18.3	17.2	16.1	14.9	13.8	12.6	11.5	10.3	9.2	8.0	6.9	5.7	4.6	3.4	2.4
7.74	77.00	252.6	126.8	8.63	6556	22.9	21.7	20.6	19.5	18.3	17.2	16.0	14.9	13.7	12.6	11.4	10.3	9.2	8.0	6.9	5.7	4.6	3.4	2.4
7.76	77.20	253.3	127.1	8.65	6571	22.8	21.7	20.5	19.4	18.3	17.1	16.0	14.8	13.7	12.6	11.4	10.3	9.1	8.0	6.8	5.7	4.6	3.4	2.4
7.78	77.40	253.9	127.3	8.66	6586	22.8	21.6	20.5	19.4	18.2	17.1	15.9	14.8	13.7	12.5	11.4	10.3	9.1	8.0	6.8	5.7	4.6	3.4	2.4
7.80	77.60	254.6	127.6	8.68	6601	22.7	21.6	20.5	19.3	18.2	17.0	15.9	14.8	13.6	12.5	11.4	10.2	9.1	8.0	6.8	5.7	4.5	3.4	2.4
7.82	77.79	255.2	127.9	8.70	6616	22.7	21.5	20.4	19.3	18.1	17.0	15.9	14.7	13.6	12.5	11.3	10.2	9.1	7.9	6.8	5.7	4.5	3.4	2.4
7.84	77.99	255.9	128.2	8.72	6631	22.6	21.5	20.4	19.2	18.1	17.0	15.8	14.7	13.6	12.4	11.3	10.2	9.0	7.9	6.8	5.7	4.5	3.4	2.4
7.86	78.19	256.5	128.5	8.74	6646	22.6	21.4	20.3	19.2	18.1	16.9	15.8	14.7	13.5	12.4	11.3	10.2	9.0	7.9	6.8	5.6	4.5	3.4	2.4
7.88	78.39	257.2	128.8	8.76	6661	22.5	21.4	20.3	19.1	18.0	16.9	15.8	14.6	13.5	12.4	11.3	10.1	9.0	7.9	6.8	5.6	4.5	3.4	2.4
7.90	78.59	257.8	129.1	8.78	6676	22.5	21.3	20.2	19.1	18.0	16.9	15.7	14.6	13.5	12.4	11.2	10.1	9.0	7.9	6.7	5.6	4.5	3.4	2.4
7.92	78.79	258.5	129.4	8.80	6691	22.4	21.3	20.2	19.1	17.9	16.8	15.7	14.6	13.5	12.3	11.2	10.1	9.0	7.8	6.7	5.6	4.5	3.4	2.4
7.94	78.99	259.1	129.7	8.82	6706	22.4	21.3	20.1	19.0	17.9	16.8	15.7	14.5	13.4	12.3	11.2	10.1	8.9	7.8	6.7	5.6	4.5	3.4	2.4
7.96	79.19	259.8	130.0	8.84	6721	22.3	21.2	20.1	19.0	17.9	16.7	15.6	14.5	13.4	12.3	11.2	10.0	8.9	7.8	6.7	5.6	4.5	3.3	2.4
7.98	79.39	260.5	130.2	8.86	6736	22.3	21.2	20.0	18.9	17.8	16.7	15.6	14.5	13.4	12.2	11.1	10.0	8.9	7.8	6.7	5.6	4.5	3.3	2.4

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 17

DMS ()	DEPTH		OXYGEN		PARTIAL PRESSURE (BAR/MM Hg)		PRESSURE (BAR/MM Hg)	
	MM gauge	FSW ()	PSIA ()	ATM absolute	1500	1425	1350	1275
8.00	79.58	261.1	130.5	8.88	6751	22.2	21.1	20.0
8.02	79.78	261.8	130.8	8.90	6766	22.2	21.1	20.0
8.04	79.98	262.4	131.1	8.92	6781	22.1	21.0	19.9
8.06	80.18	263.1	131.4	8.94	6796	22.1	21.0	19.9
8.08	80.38	263.7	131.7	8.96	6811	22.0	20.9	19.8
8.10	80.58	264.4	132.0	8.98	6826	22.0	20.9	19.8
8.12	80.78	265.0	132.3	9.00	6841	21.9	20.8	19.7
8.14	80.98	265.7	132.6	9.12	6856	21.9	20.8	19.7
8.16	81.18	266.3	132.9	9.04	6871	21.8	20.7	19.6
8.18	81.38	267.0	133.1	9.06	6886	21.8	20.7	19.6
8.20	81.57	267.6	133.4	9.08	6901	21.7	20.7	19.6
8.22	81.77	268.3	133.7	9.10	6916	21.7	20.6	19.5
8.24	81.97	268.9	134.0	9.12	6931	21.6	20.6	19.5
8.26	82.17	269.6	134.3	9.14	6946	21.6	20.5	19.4
8.28	82.37	270.2	134.6	9.16	6961	21.6	20.5	19.4
8.30	82.57	270.9	134.9	9.18	6976	21.5	20.4	19.3
8.32	82.77	271.5	135.2	9.20	6991	21.5	20.4	19.3
8.34	82.97	272.2	135.5	9.22	7006	21.4	20.3	19.3
8.36	83.17	272.9	135.8	9.24	7021	21.4	20.3	19.2
8.38	83.37	273.5	136.0	9.26	7036	21.3	20.3	19.2
8.40	83.56	274.2	136.3	9.28	7051	21.3	20.2	19.1
8.42	83.76	274.8	136.6	9.30	7066	21.2	20.2	19.1
8.44	83.96	275.5	136.9	9.32	7081	21.2	20.1	19.1
8.46	84.16	276.1	137.2	9.34	7096	21.1	20.1	19.0
8.48	84.36	276.8	137.5	9.36	7111	21.1	20.0	19.0

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 18

INDEX TIT-4			COXYGEN PARTIAL PRESSURE / MM HG																					
BARO ()	MSU gauge	FSU ()	PSIA ()	ATH absolute	COXYGEN PARTIAL PRESSURE / MM HG																			
					2.0 1500	1.9 1425	1.8 1350	1.7 1275	1.6 1200	1.5 1125	1.4 1050	1.3 975	1.2 900	1.1 825	1.0 750	0.9 675	0.8 600	0.7 525	0.6 450	0.5 375	0.4 300	0.3 225	0.2 150	
8.50	84.56	277.4	137.8	9.38	7126	21.1	20.0	18.9	17.9	16.8	15.8	14.7	13.7	12.6	11.6	10.5	9.5	8.4	7.4	6.3	5.3	4.2	3.2	2.2
8.52	84.76	278.1	138.1	9.40	7141	21.0	20.0	18.9	17.9	16.8	15.8	14.7	13.7	12.6	11.6	10.5	9.5	8.4	7.4	6.3	5.3	4.2	3.2	2.2
8.54	84.96	278.7	138.4	9.42	7156	21.0	19.9	18.9	17.8	16.8	15.7	14.7	13.6	12.6	11.5	10.5	9.4	8.4	7.3	6.3	5.2	4.2	3.1	2.2
8.56	85.16	279.4	138.7	9.43	7171	20.9	19.9	18.8	17.8	16.7	15.7	14.6	13.6	12.6	11.5	10.5	9.4	8.4	7.3	6.3	5.2	4.2	3.1	2.2
8.58	85.35	280.0	139.9	9.45	7186	20.9	19.8	18.8	17.7	16.7	15.7	14.6	13.6	12.5	11.5	10.4	9.4	8.4	7.3	6.3	5.2	4.2	3.1	2.2
8.60	85.55	280.7	139.2	9.47	7201	20.8	19.8	18.8	17.7	16.7	15.6	14.6	13.5	12.5	11.5	10.4	9.4	8.3	7.3	6.3	5.2	4.2	3.1	2.2
8.62	85.75	281.3	139.5	9.49	7216	20.8	19.8	18.7	17.7	16.6	15.6	14.6	13.5	12.5	11.4	10.4	9.4	8.3	7.3	6.2	5.2	4.2	3.1	2.2
8.64	85.95	282.0	139.8	9.51	7231	20.7	19.7	18.7	17.6	16.6	15.6	14.5	13.5	12.4	11.4	10.4	9.3	8.3	7.3	6.2	5.2	4.1	3.1	2.2
8.66	86.15	282.6	140.1	9.53	7246	20.7	19.7	18.6	17.6	16.6	15.5	14.5	13.5	12.4	11.4	10.4	9.3	8.3	7.2	6.2	5.2	4.1	3.1	2.2
8.68	86.35	283.3	140.4	9.55	7261	20.7	19.6	18.6	17.6	16.5	15.5	14.5	13.4	12.4	11.4	10.3	9.3	8.3	7.2	6.2	5.2	4.1	3.1	2.2
8.70	86.55	284.0	140.7	9.57	7276	20.6	19.6	18.6	17.5	16.5	15.5	14.4	13.4	12.4	11.3	10.3	9.3	8.2	7.2	6.2	5.2	4.1	3.1	2.2
8.72	86.75	284.6	141.0	9.59	7291	20.6	19.5	18.5	17.5	16.5	15.4	14.4	13.4	12.3	11.3	10.3	9.3	8.2	7.2	6.2	5.1	4.1	3.1	2.2
8.74	86.95	285.3	141.3	9.61	7306	20.5	19.5	18.5	17.5	16.4	15.4	14.4	13.3	12.3	11.3	10.3	9.2	8.2	7.2	6.2	5.1	4.1	3.1	2.2
8.76	87.15	285.9	141.6	9.63	7321	20.5	19.5	18.4	17.4	16.4	15.4	14.3	13.3	12.3	11.3	10.2	9.2	8.2	7.2	6.1	5.1	4.1	3.1	2.2
8.78	87.34	286.6	141.9	9.65	7336	20.4	19.4	18.4	17.4	16.4	15.3	14.3	13.3	12.3	11.2	10.2	9.2	8.2	7.2	6.1	5.1	4.1	3.1	2.2
8.80	87.54	287.2	142.1	9.67	7351	20.4	19.4	18.4	17.3	16.3	15.3	14.3	13.3	12.2	11.2	10.2	9.2	8.2	7.1	6.1	5.1	4.1	3.1	2.2
8.82	87.74	287.9	142.4	9.69	7366	20.4	19.3	18.3	17.3	16.3	15.3	14.3	13.2	12.2	11.2	10.2	9.2	8.1	7.1	6.1	5.1	4.1	3.1	2.2
8.84	87.94	288.5	142.7	9.71	7381	20.3	19.3	18.3	17.3	16.3	15.2	14.2	13.2	12.2	11.2	10.2	9.1	8.1	7.1	6.1	5.1	4.1	3.0	2.2
8.86	88.14	289.2	143.0	9.73	7396	20.3	19.3	18.3	17.2	16.2	15.2	14.2	13.2	12.2	11.2	10.1	9.1	8.1	7.1	6.1	5.1	4.1	3.0	2.2
8.88	88.34	289.8	143.3	9.75	7411	20.2	19.2	18.2	17.2	16.2	15.2	14.2	13.2	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.0	3.0	2.2
8.90	88.54	290.5	143.6	9.77	7426	20.2	19.2	18.2	17.2	16.2	15.2	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.1	5.1	4.0	3.0	2.2
8.92	88.74	291.1	143.9	9.79	7441	20.2	19.2	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.1	7.1	6.0	5.0	4.0	3.0	2.1
8.94	88.94	291.8	144.2	9.81	7456	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.1	11.1	10.1	9.1	8.0	7.0	6.0	5.0	4.0	3.0	2.1
8.96	89.13	292.4	144.5	9.83	7471	20.1	19.1	18.1	17.1	16.1	15.1	14.1	13.1	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.1
8.98	89.33	293.1	144.7	9.85	7486	20.0	19.0	18.0	17.0	16.0	15.0	14.0	13.0	12.0	11.0	10.0	9.0	8.0	7.0	6.0	5.0	4.0	3.0	2.1

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 19

DEPTH		OXYGEN										PARTIAL										PRESSURE										MM										H-Q																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
DMS	FSW	PSIA	ATM	MM Hg		2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 20

DEPTH-1			OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																					
DMS (gauge	MM Hg	FPM	PSIA (absolute	ATM MM Hg																				
9.50	94.51	310.1	152.3	10.36	7076	19.0	18.1	17.1	16.2	15.2	14.3	13.3	12.4	11.4	10.5	9.5	8.6	7.6	6.7	5.7	4.8	3.8	2.9	2.0
9.52	94.71	310.7	152.6	10.38	7091	19.0	18.1	17.1	16.2	15.2	14.3	13.3	12.4	11.4	10.5	9.5	8.6	7.6	6.7	5.7	4.8	3.8	2.9	2.0
9.54	94.90	311.4	152.9	10.40	7106	19.0	18.0	17.1	16.1	15.2	14.2	13.3	12.3	11.4	10.4	9.5	8.5	7.6	6.6	5.7	4.7	3.8	2.8	2.0
9.56	95.10	312.0	153.2	10.42	7121	18.9	18.0	17.0	16.1	15.2	14.2	13.3	12.3	11.4	10.4	9.5	8.5	7.6	6.6	5.7	4.7	3.8	2.8	2.0
9.58	95.30	312.7	153.5	10.44	7136	18.9	18.0	17.0	16.1	15.1	14.2	13.2	12.3	11.3	10.4	9.5	8.5	7.6	6.6	5.7	4.7	3.8	2.8	2.0
9.60	95.50	313.3	153.7	10.46	7151	18.9	17.9	17.0	16.0	15.1	14.2	13.2	12.3	11.3	10.4	9.4	8.5	7.5	6.6	5.7	4.7	3.8	2.8	2.0
9.62	95.70	314.0	154.0	10.48	7166	18.8	17.9	16.9	16.0	15.1	14.1	13.2	12.2	11.3	10.4	9.4	8.5	7.5	6.6	5.6	4.7	3.8	2.8	2.0
9.64	95.90	314.6	154.3	10.50	7181	18.8	17.9	16.9	16.0	15.0	14.1	13.2	12.2	11.3	10.3	9.4	8.5	7.5	6.6	5.6	4.7	3.8	2.8	2.0
9.66	96.10	315.3	154.6	10.52	7196	18.8	17.8	16.9	15.9	15.0	14.1	13.1	12.2	11.3	10.3	9.4	8.4	7.5	6.6	5.6	4.7	3.8	2.8	2.0
9.68	96.30	315.9	154.9	10.54	8011	18.7	17.8	16.9	15.9	15.0	14.0	13.1	12.2	11.2	10.3	9.4	8.4	7.5	6.6	5.6	4.7	3.7	2.8	2.0
9.70	96.50	316.6	155.2	10.56	8026	18.7	17.8	16.8	15.9	15.0	14.0	13.1	12.1	11.2	10.3	9.3	8.4	7.5	6.5	5.6	4.7	3.7	2.8	2.0
9.72	96.70	317.2	155.5	10.58	8041	18.7	17.7	16.8	15.9	14.9	14.0	13.1	12.1	11.2	10.3	9.3	8.4	7.5	6.5	5.6	4.7	3.7	2.8	2.0
9.74	96.89	317.9	155.8	10.60	8056	18.6	17.7	16.8	15.8	14.9	14.0	13.0	12.1	11.2	10.2	9.3	8.4	7.4	6.5	5.6	4.7	3.7	2.8	2.0
9.76	97.09	318.5	156.1	10.62	8071	18.6	17.7	16.7	15.8	14.9	13.9	13.0	12.1	11.2	10.2	9.3	8.4	7.4	6.5	5.6	4.6	3.7	2.8	2.0
9.78	97.29	319.2	156.4	10.64	8086	18.6	17.6	16.7	15.8	14.8	13.8	12.9	12.1	11.1	10.2	9.3	8.3	7.4	6.5	5.6	4.6	3.7	2.8	2.0
9.80	97.49	319.9	156.6	10.66	8101	18.5	17.6	16.7	15.7	14.8	13.9	13.0	12.0	11.1	10.2	9.3	8.3	7.4	6.5	5.6	4.6	3.7	2.8	2.0
9.82	97.69	320.5	156.9	10.68	8116	18.5	17.6	16.6	15.7	14.8	13.9	12.9	12.0	11.1	10.2	9.2	8.3	7.4	6.5	5.5	4.6	3.7	2.8	2.0
9.84	97.89	321.2	157.2	10.70	8131	18.5	17.5	16.6	15.7	14.8	13.8	12.9	12.0	11.1	10.1	9.2	8.3	7.4	6.5	5.5	4.6	3.7	2.8	2.0
9.86	98.09	321.8	157.5	10.72	8146	18.4	17.5	16.6	15.7	14.7	13.8	12.9	12.0	11.0	10.1	9.2	8.3	7.4	6.4	5.5	4.6	3.7	2.8	2.0
9.88	98.29	322.5	157.8	10.74	8161	18.4	17.5	16.5	15.6	14.7	13.8	12.9	11.9	11.0	10.1	9.2	8.3	7.4	6.4	5.5	4.6	3.7	2.8	2.0
9.90	98.49	323.1	158.1	10.76	8176	18.3	17.4	16.5	15.6	14.7	13.8	12.8	11.9	11.0	10.1	9.2	8.3	7.3	6.4	5.5	4.6	3.7	2.8	2.0
9.92	98.69	323.8	158.4	10.78	8191	18.3	17.4	16.5	15.6	14.7	13.7	12.8	11.9	11.0	10.1	9.2	8.2	7.3	6.4	5.5	4.6	3.7	2.7	2.0
9.94	98.88	324.4	158.7	10.80	8206	18.3	17.4	16.5	15.5	14.6	13.7	12.8	11.9	11.0	10.1	9.1	8.2	7.3	6.4	5.5	4.6	3.7	2.7	1.9
9.96	99.08	325.1	159.0	10.82	8221	18.2	17.3	16.4	15.5	14.6	13.7	12.8	11.9	10.9	10.0	9.1	8.2	7.3	6.4	5.5	4.6	3.6	2.7	1.9
9.98	99.28	325.7	159.3	10.84	9236	18.2	17.3	16.4	15.5	14.6	13.7	12.8	11.8	10.9	10.0	9.1	8.2	7.3	6.4	5.5	4.6	3.6	2.7	1.9

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 21

IDEEP T-14			OXYGEN										PARTIAL										PRESSURE										BAR/MM										HG																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																	
MS	MM	FSM	PSIA	ATH	MM Hg	2.1	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1	MS	MM	FSM	PSIA	ATH	MM Hg	2.1	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
(page)	(absolute)	1500	1425	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375	300	225	150																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 22

DMS (	DEEP T14		OXYGEN		PARTIAL		PRESSURE		BAR/MM		H ₂ O													
	MM H ₂ O	FSJA	FSW	FSJA	ATM	MM H ₂ O	FSW	FSJA	FSW	FSJA	ATM	MM H ₂ O												
11.25	111.92	367.2	177.7	12.09	9100	16.3	15.5	14.7	13.9	13.1	12.2	11.4	10.6	9.8	9.0	8.2	7.3	6.5	5.7	4.9	4.1	3.3	2.4	1.7
11.30	112.41	368.8	178.4	12.14	9226	16.3	15.4	14.6	13.8	13.0	12.2	11.4	10.6	9.8	8.9	8.1	7.3	6.5	5.7	4.9	4.1	3.3	2.4	1.7
11.35	112.91	370.4	179.1	12.19	9263	16.2	15.4	14.6	13.8	13.0	12.1	11.3	10.5	9.7	8.9	8.1	7.3	6.5	5.7	4.9	4.0	3.2	2.4	1.7
11.40	113.41	372.1	179.8	12.24	9301	16.1	15.3	14.5	13.7	12.9	12.1	11.3	10.5	9.7	8.9	8.1	7.3	6.5	5.6	4.8	4.0	3.2	2.4	1.7
11.45	113.91	373.7	180.6	12.29	9338	16.1	15.3	14.5	13.7	12.9	12.0	11.2	10.4	9.6	8.8	8.0	7.2	6.4	5.6	4.8	4.0	3.2	2.4	1.7
11.50	114.40	375.3	181.3	12.34	9376	16.0	15.2	14.4	13.6	12.8	12.0	11.2	10.4	9.6	8.8	8.0	7.2	6.4	5.6	4.8	4.0	3.2	2.4	1.7
11.55	114.90	377.0	182.0	12.39	9413	15.9	15.1	14.3	13.5	12.7	12.0	11.2	10.4	9.6	8.8	8.0	7.2	6.4	5.6	4.8	4.0	3.2	2.4	1.7
11.60	115.40	378.6	182.8	12.43	9451	15.9	15.1	14.3	13.5	12.7	11.9	11.1	10.3	9.5	8.7	7.9	7.1	6.3	5.6	4.8	4.0	3.2	2.4	1.7
11.65	115.90	380.2	183.5	12.48	9489	15.8	15.0	14.2	13.4	12.6	11.9	11.1	10.3	9.5	8.7	7.9	7.1	6.3	5.5	4.7	4.0	3.2	2.4	1.7
11.70	116.39	381.9	184.2	12.53	9526	15.7	15.0	14.2	13.4	12.6	11.8	11.0	10.2	9.4	8.7	7.9	7.1	6.3	5.5	4.7	3.9	3.1	2.4	1.7
11.75	116.89	383.5	184.9	12.58	9563	15.7	14.9	14.1	13.3	12.5	11.8	11.0	10.2	9.4	8.6	7.8	7.1	6.3	5.5	4.7	3.9	3.1	2.4	1.7
11.80	117.39	385.1	185.7	12.63	9601	15.6	14.8	14.1	13.3	12.5	11.7	10.9	10.2	9.4	8.6	7.8	7.0	6.3	5.5	4.7	3.9	3.1	2.3	1.7
11.85	117.88	386.8	186.4	12.68	9638	15.6	14.8	14.0	13.2	12.5	11.7	10.9	10.1	9.3	8.6	7.8	7.0	6.2	5.4	4.7	3.9	3.1	2.3	1.7
11.90	118.38	388.4	187.1	12.73	9676	15.5	14.7	14.0	13.2	12.4	11.6	10.9	10.1	9.3	8.5	7.8	7.0	6.2	5.4	4.7	3.9	3.1	2.3	1.7
11.95	118.88	390.0	187.8	12.78	9713	15.4	14.7	13.9	13.1	12.4	11.6	10.8	10.0	9.3	8.5	7.7	6.9	6.2	5.4	4.6	3.9	3.1	2.3	1.6
12.00	119.38	391.7	188.6	12.83	9751	15.4	14.6	13.8	13.1	12.3	11.5	10.8	10.0	9.2	8.5	7.7	6.9	6.2	5.4	4.6	3.8	3.1	2.3	1.6
12.05	119.87	393.3	189.3	12.88	9788	15.3	14.6	13.8	13.0	12.3	11.5	10.7	10.0	9.2	8.4	7.7	6.9	6.1	5.4	4.6	3.8	3.1	2.3	1.6
12.10	120.37	394.9	190.0	12.93	9826	15.3	14.5	13.7	13.0	12.2	11.5	10.7	9.9	9.2	8.4	7.6	6.9	6.1	5.3	4.6	3.8	3.1	2.3	1.6
12.15	120.87	396.6	190.7	12.98	9863	15.2	14.4	13.7	12.9	12.2	11.4	10.6	9.9	9.1	8.4	7.6	6.8	6.1	5.3	4.6	3.8	3.0	2.3	1.6
12.20	121.37	398.2	191.5	13.03	9901	15.2	14.4	13.6	12.9	12.1	11.4	10.6	9.8	9.1	8.3	7.6	6.8	6.1	5.3	4.5	3.8	3.0	2.3	1.6
12.25	121.86	399.8	192.2	13.08	9938	15.1	14.3	13.6	12.8	12.1	11.3	10.6	9.8	9.1	8.3	7.5	6.8	6.0	5.3	4.5	3.8	3.0	2.3	1.6
12.30	122.36	401.4	192.9	13.13	9976	15.0	14.3	13.5	12.8	12.0	11.3	10.5	9.8	9.0	8.3	7.5	6.8	6.0	5.3	4.5	3.8	3.0	2.3	1.6
12.35	122.86	403.1	193.6	13.18	10013	15.0	14.2	13.5	12.7	12.0	11.2	10.5	9.7	9.0	8.2	7.5	6.7	6.0	5.2	4.5	3.7	3.0	2.2	1.6
12.40	123.36	404.7	194.4	13.22	10051	14.9	14.2	13.4	12.7	11.9	11.2	10.4	9.7	9.0	8.2	7.5	6.7	6.0	5.2	4.5	3.7	3.0	2.2	1.6
12.45	123.85	406.3	195.1	13.27	10088	14.9	14.1	13.4	12.6	11.9	11.2	10.4	9.7	8.9	8.2	7.4	6.7	5.9	5.2	4.5	3.7	3.0	2.2	1.6

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

DEPTH		OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																					
DMS (	FMS gauge	PSIA (	FPM absolute																				
				2.1	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	0.1
12.50	124.35	400.0	13.32	10126	14.0	14.1	13.3	12.6	11.9	11.1	10.4	9.6	8.9	8.1	7.4	6.7	5.9	5.2	4.4	3.7	3.0	2.2	1.6
12.55	124.85	409.6	13.37	10163	14.8	14.0	13.3	12.5	11.0	11.1	10.3	9.6	8.9	8.1	7.4	6.6	5.9	5.2	4.4	3.7	3.0	2.2	1.6
12.60	125.35	411.2	13.42	10201	14.7	14.3	13.2	12.5	11.0	11.0	10.3	9.6	8.8	8.1	7.4	6.6	5.9	5.1	4.4	3.7	2.9	2.2	1.6
12.65	125.84	412.9	13.47	10238	14.7	13.9	13.2	12.5	11.7	11.0	10.3	9.5	8.8	8.1	7.3	6.6	5.9	5.1	4.4	3.7	2.9	2.2	1.6
12.70	126.34	414.5	13.52	10276	14.6	13.9	13.1	12.4	11.7	10.9	10.2	9.5	8.8	8.0	7.3	6.6	5.8	5.1	4.4	3.6	2.9	2.2	1.6
12.75	126.84	416.1	13.57	10313	14.5	13.8	13.1	12.4	11.6	10.9	10.2	9.5	8.7	8.0	7.3	6.5	5.8	5.1	4.4	3.6	2.9	2.2	1.5
12.80	127.34	417.8	13.62	10351	14.5	13.8	13.0	12.3	11.6	10.9	10.1	9.4	8.7	8.0	7.2	6.5	5.8	5.1	4.3	3.6	2.9	2.2	1.5
12.85	127.83	419.4	13.67	10388	14.4	13.7	13.0	12.3	11.6	10.8	10.1	9.4	8.7	7.9	7.2	6.5	5.8	5.1	4.3	3.6	2.9	2.2	1.5
12.90	128.33	421.0	13.72	10426	14.4	13.7	12.9	12.2	11.5	10.8	10.1	9.4	8.6	7.9	7.2	6.5	5.8	5.0	4.3	3.6	2.9	2.2	1.5
12.95	128.83	422.7	13.77	10463	14.3	13.6	12.9	12.2	11.5	10.8	10.0	9.3	8.6	7.9	7.2	6.5	5.7	5.0	4.3	3.6	2.9	2.2	1.5
13.00	129.33	424.3	13.82	10501	14.3	13.6	12.9	12.1	11.4	10.7	10.0	9.3	8.6	7.9	7.1	6.4	5.7	5.0	4.3	3.6	2.9	2.1	1.5
13.05	129.82	425.9	13.87	10538	14.2	13.5	12.8	12.1	11.4	10.7	10.0	9.3	8.5	7.8	7.1	6.4	5.7	5.0	4.3	3.6	2.8	2.1	1.5
13.10	130.32	427.6	13.92	10576	14.2	13.5	12.8	12.1	11.3	10.6	9.9	9.2	8.5	7.8	7.1	6.4	5.7	5.0	4.3	3.5	2.8	2.1	1.5
13.15	130.82	429.2	13.96	10613	14.1	13.4	12.7	12.0	11.3	10.6	9.9	9.2	8.5	7.8	7.1	6.4	5.7	4.9	4.2	3.5	2.8	2.1	1.5
13.20	131.31	430.8	14.01	10651	14.1	13.4	12.7	12.0	11.3	10.6	9.9	9.2	8.5	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.5
13.25	131.81	432.5	14.06	10688	14.0	13.3	12.6	11.9	11.2	10.5	9.8	9.1	8.4	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.5
13.30	132.31	434.1	14.11	10726	14.0	13.3	12.6	11.9	11.2	10.5	9.8	9.1	8.4	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.5
13.35	132.81	435.7	14.16	10763	13.9	13.2	12.5	11.8	11.1	10.5	9.8	9.1	8.4	7.7	7.0	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.5
13.40	133.30	437.3	14.21	10801	13.9	13.2	12.5	11.8	11.1	10.4	9.7	9.0	8.3	7.6	6.9	6.3	5.6	4.9	4.2	3.5	2.8	2.1	1.5
13.45	133.80	439.0	14.26	10838	13.8	13.1	12.5	11.8	11.1	10.4	9.7	9.0	8.3	7.6	6.9	6.2	5.6	4.8	4.1	3.5	2.8	2.1	1.5
13.50	134.30	440.6	14.31	10876	13.8	13.1	12.4	11.7	11.0	10.3	9.7	9.0	8.3	7.6	6.9	6.2	5.5	4.8	4.1	3.4	2.8	2.1	1.5
13.55	134.80	442.2	14.36	10913	13.7	13.1	12.4	11.7	11.0	10.3	9.6	8.9	8.2	7.6	6.9	6.2	5.5	4.8	4.1	3.4	2.7	2.1	1.5
13.60	135.29	443.9	14.41	10951	13.7	13.0	12.3	11.6	11.0	10.3	9.6	8.9	8.2	7.5	6.8	6.2	5.5	4.8	4.1	3.4	2.7	2.1	1.5
13.65	135.79	445.5	14.46	10988	13.7	13.0	12.3	11.6	10.9	10.2	9.6	8.9	8.2	7.5	6.8	6.1	5.5	4.8	4.1	3.4	2.7	2.0	1.5
13.70	136.29	447.1	14.51	11026	13.6	12.9	12.2	11.6	10.9	10.2	9.5	8.8	8.2	7.5	6.8	6.1	5.4	4.8	4.1	3.4	2.7	2.0	1.4

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 24

DEPTH		FATHOMS		PSIA		ATM		MIL		CO ₂		O ₂		N ₂		AR		MM		1-4		1-5		1-6		1-7		1-8		1-9		2-0		2-1		2-2		2-3		2-4		2-5		2-6		2-7		2-8		2-9		3-0		3-1		3-2		3-3		3-4		3-5		3-6		3-7		3-8		3-9		4-0		4-1		4-2		4-3		4-4		4-5		4-6		4-7		4-8		4-9		5-0		5-1		5-2		5-3		5-4		5-5		5-6		5-7		5-8		5-9		6-0		6-1		6-2		6-3		6-4		6-5		6-6		6-7		6-8		6-9		7-0		7-1		7-2		7-3		7-4		7-5		7-6		7-7		7-8		7-9		8-0		8-1		8-2		8-3		8-4		8-5		8-6		8-7		8-8		8-9		9-0		9-1		9-2		9-3		9-4		9-5		9-6		9-7		9-8		9-9		10-0		10-1		10-2		10-3		10-4		10-5		10-6		10-7		10-8		10-9		11-0		11-1		11-2		11-3		11-4		11-5		11-6		11-7		11-8		11-9		12-0		12-1		12-2		12-3		12-4		12-5		12-6		12-7		12-8		12-9		13-0		13-1		13-2		13-3		13-4		13-5		13-6		13-7		13-8		13-9		14-0		14-1		14-2		14-3		14-4		14-5		14-6		14-7		14-8		14-9		15-0		15-1		15-2		15-3		15-4		15-5		15-6		15-7		15-8		15-9		16-0		16-1		16-2		16-3		16-4		16-5		16-6		16-7		16-8		16-9		17-0		17-1		17-2		17-3		17-4		17-5		17-6		17-7		17-8		17-9		18-0		18-1		18-2		18-3		18-4		18-5		18-6		18-7		18-8		18-9		19-0		19-1		19-2		19-3		19-4		19-5		19-6		19-7		19-8		19-9		20-0		20-1		20-2		20-3		20-4		20-5		20-6		20-7		20-8		20-9		21-0		21-1		21-2		21-3		21-4		21-5		21-6		21-7		21-8		21-9		22-0		22-1		22-2		22-3		22-4		22-5		22-6		22-7		22-8		22-9		23-0		23-1		23-2		23-3		23-4		23-5		23-6		23-7		23-8		23-9		24-0		24-1		24-2		24-3		24-4		24-5		24-6		24-7		24-8		24-9		25-0		25-1		25-2		25-3		25-4		25-5		25-6		25-7		25-8		25-9		26-0		26-1		26-2		26-3		26-4		26-5		26-6		26-7		26-8		26-9		27-0		27-1		27-2		27-3		27-4		27-5		27-6		27-7		27-8		27-9		28-0		28-1		28-2		28-3		28-4		28-5		28-6		28-7		28-8		28-9		29-0		29-1		29-2		29-3		29-4		29-5		29-6		29-7		29-8		29-9		30-0		30-1		30-2		30-3		30-4		30-5		30-6		30-7		30-8		30-9		31-0		31-1		31-2		31-3		31-4		31-5		31-6		31-7		31-8		31-9		32-0		32-1		32-2		32-3		32-4		32-5		32-6		32-7		32-8		32-9		33-0		33-1		33-2		33-3		33-4		33-5		33-6		33-7		33-8		33-9		34-0		34-1		34-2		34-3		34-4		34-5		34-6		34-7		34-8		34-9		35-0		35-1		35-2		35-3		35-4		35-5		35-6		35-7		35-8		35-9		36-0		36-1		36-2		36-3		36-4		36-5		36-6		36-7		36-8		36-9		37-0		37-1		37-2		37-3		37-4		37-5		37-6		37-7		37-8		37-9		38-0		38-1		38-2		38-3		38-4		38-5		38-6		38-7		38-8		38-9		39-0		39-1		39-2		39-3		39-4		39-5		39-6		39-7		39-8		39-9		40-0		40-1		40-2		40-3		40-4		40-5		40-6		40-7		40-8		40-9		41-0		41-1		41-2		41-3		41-4		41-5		41-6		41-7		41-8		41-9		42-0		42-1		42-2		42-3		42-4		42-5		42-6		42-7		42-8		42-9		43-0		43-1		43-2		43-3		43-4		43-5		43-6		43-7		43-8		43-9		44-0		44-1		44-2		44-3		44-4		44-5		44-6		44-7		44-8		44-9		45-0		45-1		45-2		45-3		45-4		45-5		45-6		45-7		45-8		45-9		46-0		46-1		46-2		46-3		46-4		46-5		46-6		46-7		46-8		46-9		47-0		47-1		47-2		47-3		47-4		47-5		47-6		47-7		47-8		47-9		48-0		48-1		48-2		48-3		48-4		48-5		48-6		48-7		48-8		48-9		49-0		49-1		49-2		49-3		49-4		49-5		49-6		49-7		49-8		49-9		50-0		50-1		50-2		50-3		50-4		50-5		50-6		50-7		50-8		50-9		51-0		51-1		51-2		51-3		51-4		51-5		51-6		51-7		51-8		51-9		52-0		52-1		52-2		52-3		52-4		52-5		52-6		52-7		52-8		52-9		53-0		53-1		53-2		53-3		53-4		53-5		53-6		53-7		53-8		53-9		54-0		54-1		54-2		54-3		54-4		54-5		54-6		54-7		54-8		54-9		55-0		55-1		55-2		55-3		55-4		55-5		55-6		55-7		55-8		55-9		56-0		56-1		56-2		56-3		56-4		56-5		56-6		56-7		56-8		56-9		57-0		57-1		57-2		57-3		57-4		57-5		57-6		57-7		57-8		57-9		58-0		58-1		58-2		58-3		58-4		58-5		58-6		58-7		58-8		58-9		59-0		59-1		59-2		59-3		59-4		59-5		59-6		59-7		59-8		59-9		60-0		60-1		60-2		60-3		60-4		60-5		60-6		60-7		60-8		60-9		61-0		61-1		61-2		61-3		61-4		61-5		61-6		61-7		61-8		61-9		62-0		62-1		62-2		62-3		62-4		62-5		62-6		62-7		62-8		62-9		63-0		63-1		63-2		63-3		63-4		63-5		63-6		63-7		63-8		63-9		64-0		64-1		64-2		64-3		64-4		64-5		64-6		64-7		64-8		64-9		65-0		65-1		65-2		65-3		65-4		65-5		65-6		65-7		65-8		65-9		66-0		66-1		66-2		66-3		66-4		66-5		66-6		66-7		66-8		66-9		67-0		67-1		67-2		67-3		67-4		67-5		67-6		67-7		67-8		67-9		68-0		68-1		68-2		68-3		68-4		68-5		68-6		68-7		68-8		68-9		69-0		69-1		69-2		69-3		69-4		69-5		69-6		69-7		69-8		69-9		70-0		70-1		70-2		70-3		70-4		70-5		70-6		70-7		70-8		70-9		71-0		71-1		71-2		71-3		71-4		71-5		71-6		71-7		71-8		71-9		72-0		72-1		72-2		72-3		72-4		72-5		72-6		72-7		72-8		72-9		73-0		73-1		73-2		73-3		73-4		73-5		73-6		73-7		73-8		73-9		74-0		74-1		74-2		74-3		74-4		74-5		74-6		74-7		74-8		74-9		75-0		75-1		75-2		75-3		75-4		75-5		75-6		75-7		75-8		75-9		76-0		76-1		76-2		76-3		76-4		76-5		76-6		76-7		76-8		76-9		77-0		77-1		77-2		77-3		77-4		77-5		77-6		77-7		77-8		77-9		78-0		78-1		78-2		78-3		78-4		78-5		78-6		78-7		78-8		78-9		79-0		79-1		79-2		79-3		79-4		79-5		79-6		79-7		79-8		79-9		80-0		80-1		80-2		80-3		80-4		80-5		80-6		80-7		80-8		80-9		81-0		81-1		81-2		81-3		81-4		81-5		81-6		81-7		81-8		81-9		82-0		82-1		82-2		82-3		82-4		82-5		82-6		82-7		82-8		82-9		83-0		83-1		83-2		83-3		83-4		83-5		83-6		83-7		83-8		83-9		84-0		84-1		84-2		84-3		84-4		84-5		84-6		84-7		84-8		84-9		85-0		85-1		85-2		85-3		85-4		85-5		85-6		85-7		85-8		85-9		86-0		86-1		86-2		86-3		86-4		86-5		86-6		86-7		86-8		86-9		87-0		87-1		87-2		87-3		87-4		87-5		87-6		87-7		87-8		87-9		88-0		88-1		88-2		88-3		88-4		88-5		88-6		88-7		88-8		88-9		89-0		89-1		89-2		89-3		89-4		89-5		89-6		89-7		89-8		89-9		90-0		90-1		90-2		90-3		90-4		90-5		90-6		90-7		90-8		90-9		91-0		91-1		91-2		91-3		91-4		91-5		91-6		91-7		91-8		91-9		92-0		92-1		92-2		92-3		92-4		92-5		92-6		92-7		92-8		92-9		93-0		93-1		93-2		93-3		93-4		93-5		93-6		93-7		93-8		93-9		94-0		94-1		94-2		94-3		94-4		94-5		94-6		94-7		94-8		94-9		95-0		95-1		95-2		95-3		95-4		95-5		95-6		95-7		95-8		95-9		96-0		96-1		96-2		96-3		96-4		96-5		96-6		96-7		96-8		96-9		97-0		97-1		97-2		97-3		97-4		97-5		97-6		97-7		97-8		97-9		98-0		98-1		98-2		98-3		98-4		98-5		98-6		98-7		98-8		98-9		99-0		99-1		99-2		99-3		99-4		99-5		99-6		99-7		99-8		99-9		100-0		100-1		100-2		100-3		100-4		100-5		100-6		100-7		100-8		100-9	
-------	--	---------	--	------	--	-----	--	-----	--	-----------------	--	----------------	--	----------------	--	----	--	----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	-----	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	------	--	-------	--	-------	--	-------	--	-------	--	-------	--	-------	--	-------	--	-------	--	-------	--	-------	--

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 25

DMS	DEPTH FATHOMS	PSIA (absolute)	ATM MM Hg	OXYGEN PARTIAL PRESSURE (BAR/MM Hg)															
				2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5
				1500	1425	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375
15.00	149.22	407.6	232.1	15.79	12001	12.5	11.9	11.3	10.6	10.0	9.4	8.8	8.1	7.5	6.9	6.3	5.6	5.0	4.4
15.05	149.72	411.2	232.8	15.84	12038	12.5	11.8	11.2	10.6	10.0	9.3	8.7	8.1	7.5	6.9	6.2	5.6	5.0	4.4
15.10	150.22	414.8	233.5	15.89	12076	12.4	11.8	11.2	10.6	9.9	9.3	8.7	8.1	7.5	6.8	6.2	5.6	5.0	4.3
15.15	150.71	418.5	234.2	15.94	12113	12.4	11.8	11.1	10.5	9.9	9.3	8.7	8.0	7.4	6.8	6.2	5.6	5.0	4.3
15.20	151.21	422.1	235.0	15.99	12151	12.3	11.7	11.1	10.5	9.9	9.3	8.6	8.0	7.4	6.8	6.2	5.6	4.9	4.3
15.25	151.71	425.7	235.7	16.04	12188	12.3	11.7	11.1	10.5	9.8	9.2	8.6	8.0	7.4	6.8	6.2	5.5	4.9	4.3
15.30	152.21	429.4	236.4	16.09	12226	12.3	11.7	11.0	10.4	9.8	9.2	8.6	8.0	7.4	6.7	6.1	5.5	4.9	4.3
15.35	152.70	433.1	237.1	16.14	12263	12.2	11.6	11.0	10.4	9.8	9.2	8.6	8.0	7.3	6.7	6.1	5.5	4.9	4.3
15.40	153.20	436.6	237.9	16.19	12301	12.2	11.6	11.0	10.4	9.8	9.1	8.5	7.9	7.3	6.7	6.1	5.5	4.9	4.3
15.45	153.70	440.3	238.6	16.23	12339	12.2	11.6	10.9	10.3	9.7	9.1	8.5	7.9	7.3	6.7	6.1	5.5	4.9	4.3
15.50	154.20	443.9	239.3	16.28	12376	12.1	11.5	10.9	10.3	9.7	9.1	8.5	7.9	7.3	6.7	6.1	5.5	4.8	4.2
15.55	154.69	447.5	240.0	16.33	12413	12.1	11.5	10.9	10.3	9.7	9.1	8.5	7.9	7.3	6.6	6.0	5.4	4.8	4.2
15.60	155.19	451.2	240.8	16.38	12451	12.0	11.4	10.8	10.2	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.4	4.8	4.2
15.65	155.69	454.8	241.5	16.43	12488	12.0	11.4	10.8	10.2	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.4	4.8	4.2
15.70	156.19	458.4	242.2	16.48	12526	12.0	11.4	10.8	10.2	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.4	4.8	4.2
15.75	156.68	462.0	242.9	16.53	12564	11.9	11.3	10.7	10.1	9.6	9.0	8.4	7.8	7.2	6.6	6.0	5.4	4.8	4.2
15.80	157.18	465.7	243.7	16.58	12601	11.9	11.3	10.7	10.1	9.5	8.9	8.3	7.7	7.1	6.5	6.0	5.4	4.8	4.2
15.85	157.68	469.3	244.4	16.63	12639	11.9	11.3	10.7	10.1	9.5	8.9	8.3	7.7	7.1	6.5	5.9	5.3	4.7	4.2
15.90	158.17	473.0	245.1	16.68	12676	11.8	11.2	10.7	10.1	9.5	8.9	8.3	7.7	7.1	6.5	5.9	5.3	4.7	4.1
15.95	158.67	476.6	245.8	16.73	12714	11.8	11.2	10.6	10.0	9.4	8.8	8.3	7.7	7.1	6.5	5.9	5.3	4.7	4.1
16.00	159.17	480.2	246.6	16.78	12751	11.8	11.2	10.6	10.0	9.4	8.8	8.2	7.6	7.1	6.5	5.9	5.3	4.7	4.1
16.05	159.67	483.8	247.3	16.83	12789	11.7	11.1	10.6	10.0	9.4	8.8	8.2	7.6	7.0	6.5	5.9	5.3	4.7	4.1
16.10	160.16	487.5	248.0	16.88	12826	11.7	11.1	10.5	9.9	9.4	8.8	8.2	7.6	7.0	6.4	5.8	5.3	4.7	4.1
16.15	160.66	491.1	248.7	16.93	12864	11.7	11.1	10.5	9.9	9.3	8.7	8.2	7.6	7.0	6.4	5.8	5.2	4.7	4.1
16.20	161.15	494.7	249.5	16.97	12901	11.6	11.0	10.5	9.9	9.3	8.7	8.1	7.6	7.0	6.4	5.8	5.2	4.7	4.1

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS 'D PARTIAL PRESSURES

PAGE 26

DEPTH		OX GEN PARTIAL PRESSURE (BAR/MM Hg)																							
BAR	NEW gauge	FSM	PSIA	ATM	MM Hg	absolute	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
							150	145	135	125	120	115	105	95	85	75	65	55	45	35	25	15	5	0	0
16.25	161.66	530.4	250.2	17.02	12739		11.6	11.0	10.4	9.9	9.3	8.7	8.1	7.5	7.0	6.4	5.8	5.2	4.6	4.1	3.5	2.9	2.3	1.7	1.2
16.30	162.15	532.0	250.9	17.07	12776		11.6	11.0	10.4	9.8	9.2	8.7	8.1	7.5	6.9	6.4	5.8	5.2	4.6	4.0	3.5	2.9	2.3	1.7	1.2
16.35	162.65	533.6	251.6	17.12	13014		11.5	11.0	10.4	9.8	9.2	8.6	8.1	7.5	6.9	6.3	5.8	5.2	4.6	4.0	3.5	2.9	2.3	1.7	1.2
16.40	163.15	535.3	252.4	17.17	13051		11.5	10.9	10.3	9.8	9.2	8.6	8.0	7.5	6.9	6.3	5.7	5.2	4.6	4.0	3.4	2.9	2.3	1.7	1.2
16.45	163.65	536.9	253.1	17.22	13089		11.5	10.9	10.3	9.7	9.2	8.6	8.0	7.4	6.9	6.3	5.7	5.2	4.6	4.0	3.4	2.9	2.3	1.7	1.2
16.50	164.14	538.5	253.8	17.27	13126		11.4	10.9	10.3	9.7	9.1	8.6	8.0	7.4	6.9	6.3	5.7	5.1	4.6	4.0	3.4	2.9	2.3	1.7	1.2
16.55	164.64	540.2	254.5	17.32	13164		11.4	10.8	10.3	9.7	9.1	8.5	8.0	7.4	6.8	6.3	5.7	5.1	4.6	4.0	3.4	2.8	2.3	1.7	1.2
16.60	165.14	541.8	255.3	17.37	13201		11.4	10.8	10.2	9.7	9.1	8.5	8.0	7.4	6.8	6.3	5.7	5.1	4.5	4.0	3.4	2.8	2.3	1.7	1.2
16.65	165.64	543.4	256.0	17.42	13239		11.3	10.8	10.2	9.6	9.1	8.5	7.9	7.4	6.8	6.2	5.7	5.1	4.5	4.0	3.4	2.8	2.3	1.7	1.2
16.70	166.13	545.1	256.7	17.47	13276		11.3	10.7	10.2	9.6	9.0	8.5	7.9	7.3	6.8	6.2	5.6	5.1	4.5	4.0	3.4	2.8	2.3	1.7	1.2
16.75	166.63	546.7	257.4	17.52	13314		11.3	10.7	10.1	9.6	9.0	8.5	7.9	7.3	6.8	6.2	5.6	5.1	4.5	3.9	3.4	2.8	2.3	1.7	1.2
16.80	167.13	548.3	258.2	17.57	13351		11.2	10.7	10.1	9.6	9.0	8.4	7.9	7.3	6.7	6.2	5.6	5.1	4.5	3.9	3.4	2.8	2.2	1.7	1.2
16.85	167.63	550.0	258.9	17.62	13389		11.2	10.6	10.1	9.5	9.0	8.4	7.8	7.3	6.7	6.2	5.6	5.0	4.5	3.9	3.4	2.8	2.2	1.7	1.2
16.90	168.12	551.6	259.6	17.67	13426		11.2	10.6	10.1	9.5	8.9	8.4	7.8	7.3	6.7	6.1	5.6	5.0	4.5	3.9	3.4	2.8	2.2	1.7	1.2
16.95	168.62	553.2	260.3	17.71	13464		11.1	10.6	10.0	9.5	8.9	8.4	7.8	7.2	6.7	6.1	5.6	5.0	4.5	3.9	3.3	2.8	2.2	1.7	1.2
17.00	169.12	554.8	261.1	17.76	13501		11.1	10.6	10.0	9.4	8.9	8.3	7.8	7.2	6.7	6.1	5.6	5.0	4.4	3.9	3.3	2.8	2.2	1.7	1.2
17.05	169.62	556.5	261.8	17.81	13539		11.1	10.5	10.0	9.4	8.9	8.3	7.8	7.2	6.6	6.1	5.5	5.0	4.4	3.9	3.3	2.8	2.2	1.7	1.2
17.10	170.11	558.1	262.5	17.86	13576		11.0	10.5	9.9	9.4	8.8	8.3	7.7	7.2	6.6	6.1	5.5	5.0	4.4	3.9	3.3	2.8	2.2	1.7	1.2
17.15	170.61	559.7	263.2	17.91	13614		11.0	10.5	9.9	9.4	8.8	8.3	7.7	7.2	6.6	6.1	5.5	5.0	4.4	3.9	3.3	2.8	2.2	1.7	1.2
17.20	171.11	561.4	264.0	17.96	13651		11.0	10.4	9.9	9.3	8.8	8.2	7.7	7.1	6.6	6.0	5.5	4.9	4.4	3.8	3.3	2.7	2.2	1.6	1.2
17.25	171.60	563.0	264.7	18.01	13689		11.0	10.4	9.9	9.3	8.8	8.2	7.7	7.1	6.6	6.0	5.5	4.9	4.4	3.8	3.3	2.7	2.2	1.6	1.2
17.30	172.10	564.6	265.4	18.06	13726		10.9	10.4	9.8	9.3	8.7	8.2	7.7	7.1	6.6	6.0	5.5	4.9	4.4	3.8	3.3	2.7	2.2	1.6	1.2
17.35	172.60	566.3	266.1	18.11	13764		10.9	10.4	9.8	9.3	8.7	8.2	7.6	7.1	6.5	6.0	5.4	4.9	4.4	3.8	3.3	2.7	2.2	1.6	1.2
17.40	173.10	567.9	266.9	18.16	13801		10.9	10.3	9.8	9.2	8.7	8.2	7.6	7.1	6.5	6.0	5.4	4.9	4.3	3.8	3.3	2.7	2.2	1.6	1.2
17.45	173.59	569.5	267.6	18.21	13839		10.8	10.3	9.8	9.2	8.7	8.1	7.6	7.0	6.5	6.0	5.4	4.9	4.3	3.8	3.3	2.7	2.2	1.6	1.2

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 27

DEPT 11		OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																						
DMS (	NEW gauge	FEM)	PSIA (	ATM mm Hg absolute	OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																			
					2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2	
					1500	1425	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375	300	225	150	
17.50	174.09	571.2	240.3	10.26	13076	10.8	10.3	9.7	9.2	8.6	8.1	7.6	7.0	6.5	5.9	5.4	4.9	4.3	3.8	3.2	2.7	2.2	1.6	1.2
17.55	174.59	572.0	249.0	10.31	13914	10.8	10.2	9.7	9.2	8.6	8.1	7.5	7.0	6.5	5.9	5.4	4.9	4.3	3.8	3.2	2.7	2.2	1.6	1.1
17.60	175.09	574.4	249.8	10.36	13951	10.8	10.2	9.7	9.1	8.6	8.1	7.5	7.0	6.5	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.2	1.6	1.1
17.65	175.50	576.1	270.5	10.41	13909	10.7	10.2	9.7	9.1	8.6	8.0	7.5	7.0	6.4	5.9	5.4	4.8	4.3	3.8	3.2	2.7	2.1	1.6	1.1
17.70	176.00	577.7	271.2	10.46	14026	10.7	10.2	9.6	9.1	8.6	8.0	7.5	7.0	6.4	5.9	5.3	4.8	4.3	3.7	3.2	2.7	2.1	1.6	1.1
17.75	176.50	579.3	272.0	10.50	14064	10.7	10.1	9.6	9.1	8.5	8.0	7.5	6.9	6.4	5.9	5.3	4.8	4.3	3.7	3.2	2.7	2.1	1.6	1.1
17.80	177.00	581.0	272.7	10.55	14101	10.6	10.1	9.6	9.0	8.5	8.0	7.4	6.9	6.4	5.9	5.3	4.8	4.3	3.7	3.2	2.7	2.1	1.6	1.1
17.85	177.57	582.6	273.4	10.60	14139	10.6	10.1	9.5	9.0	8.5	8.0	7.4	6.9	6.4	5.8	5.3	4.8	4.2	3.7	3.2	2.7	2.1	1.6	1.1
17.90	178.07	584.2	274.1	10.65	14176	10.6	10.1	9.5	9.0	8.5	7.9	7.4	6.9	6.3	5.8	5.3	4.8	4.2	3.7	3.2	2.6	2.1	1.6	1.1
17.95	178.57	585.9	274.9	10.70	14214	10.6	10.0	9.5	9.0	8.4	7.9	7.4	6.9	6.3	5.8	5.3	4.7	4.2	3.7	3.2	2.6	2.1	1.6	1.1
18.00	179.07	587.5	275.6	10.75	14251	10.5	10.0	9.5	8.9	8.4	7.9	7.4	6.8	6.3	5.8	5.3	4.7	4.2	3.7	3.2	2.6	2.1	1.6	1.1
18.05	179.56	589.1	276.3	10.80	14289	10.5	10.0	9.4	8.9	8.4	7.9	7.3	6.8	6.3	5.8	5.2	4.7	4.2	3.7	3.1	2.6	2.1	1.6	1.1
18.10	180.06	590.7	277.0	10.85	14326	10.5	9.9	9.4	8.9	8.4	7.9	7.3	6.8	6.3	5.8	5.2	4.7	4.2	3.7	3.1	2.6	2.1	1.6	1.1
18.15	180.56	592.4	277.8	10.90	14364	10.4	9.9	9.4	8.9	8.4	7.8	7.3	6.8	6.3	5.7	5.2	4.7	4.2	3.7	3.1	2.6	2.1	1.6	1.1
18.20	181.06	594.0	278.5	10.95	14401	10.4	9.9	9.4	8.9	8.3	7.8	7.3	6.8	6.3	5.7	5.2	4.7	4.2	3.6	3.1	2.6	2.1	1.6	1.1
18.25	181.55	595.6	279.2	11.00	14439	10.4	9.9	9.4	8.8	8.3	7.8	7.3	6.8	6.2	5.7	5.2	4.7	4.2	3.6	3.1	2.6	2.1	1.6	1.1
18.30	182.05	597.3	279.9	11.05	14476	10.4	9.8	9.3	8.8	8.3	7.8	7.3	6.7	6.2	5.7	5.2	4.7	4.1	3.6	3.1	2.6	2.1	1.6	1.1
18.35	182.55	598.9	280.7	11.10	14514	10.3	9.8	9.3	8.8	8.3	7.8	7.2	6.7	6.2	5.7	5.2	4.7	4.1	3.6	3.1	2.6	2.1	1.6	1.1
18.40	183.05	600.5	281.4	11.15	14551	10.3	9.8	9.3	8.8	8.2	7.7	7.2	6.7	6.2	5.7	5.2	4.6	4.1	3.6	3.1	2.6	2.1	1.5	1.1
18.45	183.54	602.2	282.1	11.20	14589	10.3	9.8	9.3	8.7	8.2	7.7	7.2	6.7	6.2	5.7	5.1	4.6	4.1	3.6	3.1	2.6	2.1	1.5	1.1
18.50	184.04	603.8	282.8	11.24	14626	10.3	9.7	9.2	8.7	8.2	7.7	7.2	6.7	6.2	5.6	5.1	4.6	4.1	3.6	3.1	2.6	2.1	1.5	1.1
18.55	184.54	605.4	283.6	11.29	14664	10.2	9.7	9.2	8.7	8.2	7.7	7.2	6.6	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.6	2.0	1.5	1.1
18.60	185.03	607.1	284.3	11.34	14701	10.2	9.7	9.2	8.7	8.2	7.7	7.1	6.6	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.6	2.0	1.5	1.1
18.65	185.53	608.7	285.0	11.39	14739	10.2	9.7	9.2	8.7	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.6	4.1	3.6	3.1	2.5	2.0	1.5	1.1
18.70	186.03	610.3	285.7	11.44	14776	10.2	9.6	9.1	8.6	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.6	4.1	3.6	3.0	2.5	2.0	1.5	1.1

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 28

DEPTH			OXYGEN										PARTIAL										PRESSURE (BAR/MM HG)									
DAYS	WIND	FW	PSIA	ATM	MM HG	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2								
(	gauge	)	(	absolute	)	1500	1425	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375	300	225	150				
18.75	186.53	612.0	286.5	19.49	14014	10.1	9.6	9.1	8.6	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.6	4.1	3.5	3.0	2.5	2.0	1.5	1.1								
18.80	187.02	613.6	287.2	19.54	14051	10.1	9.6	9.1	8.6	8.1	7.6	7.1	6.6	6.1	5.6	5.1	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1								
18.85	187.52	615.2	287.9	19.59	14089	10.1	9.6	9.1	8.6	8.1	7.6	7.1	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1								
18.90	188.02	616.9	288.6	19.64	14126	10.1	9.5	9.0	8.5	8.0	7.5	7.0	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1								
18.95	188.52	618.5	289.4	19.69	14164	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1								
19.00	189.02	620.1	290.1	19.74	15001	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1								
19.05	189.51	621.8	290.8	19.79	15039	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1								
19.10	190.01	623.4	291.5	19.84	15076	10.0	9.5	9.0	8.5	8.0	7.5	7.0	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1								
19.15	190.51	625.0	292.3	19.89	15114	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.5	6.0	5.5	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1								
19.20	191.00	626.6	293.0	19.94	15151	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.4	5.9	5.4	5.0	4.5	4.0	3.5	3.0	2.5	2.0	1.5	1.1								
19.25	191.50	628.3	293.7	19.98	15189	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.4	5.9	5.4	4.9	4.4	4.0	3.5	3.0	2.5	2.0	1.5	1.1								
19.30	192.00	629.9	294.4	20.03	15226	9.9	9.4	8.9	8.4	7.9	7.4	6.9	6.4	5.9	5.4	4.9	4.4	3.9	3.4	3.0	2.5	2.0	1.5	1.1								
19.35	192.50	631.5	295.2	20.08	15264	9.8	9.3	8.8	8.4	7.9	7.4	6.9	6.4	5.9	5.4	4.9	4.4	3.9	3.4	2.9	2.5	2.0	1.5	1.1								
19.40	192.99	633.2	295.9	20.13	15301	9.8	9.3	8.8	8.3	7.8	7.4	6.9	6.4	5.9	5.4	4.9	4.4	3.9	3.4	2.9	2.5	2.0	1.5	1.1								
19.45	193.49	634.8	296.6	20.18	15339	9.8	9.3	8.8	8.3	7.8	7.3	6.8	6.4	5.9	5.4	4.9	4.4	3.9	3.4	2.9	2.4	2.0	1.5	1.1								
19.50	193.99	636.4	297.3	20.23	15376	9.8	9.3	8.8	8.3	7.8	7.3	6.8	6.3	5.9	5.4	4.9	4.4	3.9	3.4	2.9	2.4	2.0	1.5	1.1								
19.55	194.49	638.1	298.1	20.28	15414	9.7	9.2	8.8	8.3	7.8	7.3	6.8	6.3	5.8	5.4	4.9	4.4	3.9	3.4	2.9	2.4	1.9	1.5	1.1								
19.60	194.98	639.7	298.8	20.33	15451	9.7	9.2	8.7	8.3	7.8	7.3	6.8	6.3	5.8	5.3	4.9	4.4	3.9	3.4	2.9	2.4	1.9	1.5	1.1								
19.65	195.48	641.3	299.5	20.38	15489	9.7	9.2	8.7	8.2	7.7	7.3	6.8	6.3	5.8	5.3	4.8	4.4	3.9	3.4	2.9	2.4	1.9	1.5	1.1								
19.70	195.98	643.0	300.2	20.43	15526	9.7	9.2	8.7	8.2	7.7	7.2	6.8	6.3	5.8	5.3	4.8	4.3	3.9	3.4	2.9	2.4	1.9	1.4	1.1								
19.75	196.47	644.6	301.0	20.48	15564	9.6	9.2	8.7	8.2	7.7	7.2	6.7	6.3	5.8	5.3	4.8	4.3	3.9	3.4	2.9	2.4	1.9	1.4	1.1								
19.80	196.97	646.2	301.7	20.53	15601	9.6	9.1	8.7	8.2	7.7	7.2	6.7	6.3	5.8	5.3	4.8	4.3	3.8	3.4	2.9	2.4	1.9	1.4	1.1								
19.85	197.47	647.9	302.4	20.58	15639	9.6	9.1	8.6	8.2	7.7	7.2	6.7	6.2	5.8	5.3	4.8	4.3	3.8	3.4	2.9	2.4	1.9	1.4	1.1								
19.90	197.97	649.5	303.1	20.63	15676	9.6	9.1	8.6	8.1	7.7	7.2	6.7	6.2	5.7	5.3	4.8	4.3	3.8	3.3	2.9	2.4	1.9	1.4	1.1								
19.95	198.46	651.1	303.9	20.68	15714	9.5	9.1	8.6	8.1	7.6	7.2	6.7	6.2	5.7	5.3	4.8	4.3	3.8	3.3	2.9	2.4	1.9	1.4	1.1								

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 22

DEPTH		OXYGEN		PARTIAL		PRESSURE		BAR		MM		HG											
MS	FSW	PSIA	ATM	MS	FSW	PSIA	ATM	MS	FSW	PSIA	ATM	MS	FSW										
(	gauge	(	absolute	150	125	100	75	50	25	0	25	50	75										
20.00	198.96	304.6	20.72	15751	9.5	9.0	8.6	8.1	7.6	7.1	6.7	6.2	5.7	5.2	4.8	4.3	3.8	3.3	2.9	2.4	1.9	1.4	1.0
20.10	199.96	306.0	20.82	15826	9.5	9.0	8.5	8.1	7.6	7.1	6.6	6.2	5.7	5.2	4.7	4.3	3.8	3.3	2.8	2.4	1.9	1.4	1.0
20.20	200.95	307.3	20.92	15901	9.4	9.0	8.5	8.0	7.5	7.1	6.6	6.1	5.7	5.2	4.7	4.2	3.8	3.3	2.8	2.4	1.9	1.4	1.0
20.30	201.95	308.9	21.02	15976	9.4	8.9	8.5	8.0	7.5	7.0	6.6	6.1	5.6	5.2	4.7	4.2	3.8	3.3	2.8	2.3	1.9	1.4	1.0
20.40	202.94	310.4	21.12	16051	9.3	8.9	8.4	7.9	7.5	7.0	6.5	6.1	5.6	5.1	4.7	4.2	3.7	3.3	2.8	2.3	1.9	1.4	1.0
20.50	203.94	311.8	21.22	16126	9.3	8.8	8.4	7.9	7.4	7.0	6.5	6.0	5.6	5.1	4.7	4.2	3.7	3.3	2.8	2.3	1.9	1.4	1.0
20.60	204.93	313.3	21.32	16201	9.3	8.8	8.3	7.9	7.4	6.9	6.5	6.0	5.6	5.1	4.6	4.2	3.7	3.2	2.8	2.3	1.9	1.4	1.0
20.70	205.93	314.7	21.42	16276	9.2	8.8	8.3	7.8	7.4	6.9	6.5	6.0	5.5	5.1	4.6	4.1	3.7	3.2	2.8	2.3	1.8	1.4	1.0
20.80	206.92	316.2	21.51	16351	9.2	8.7	8.3	7.8	7.3	6.9	6.4	6.0	5.5	5.0	4.6	4.1	3.7	3.2	2.8	2.3	1.8	1.4	1.0
20.90	207.92	317.6	21.61	16426	9.1	8.7	8.2	7.8	7.3	6.8	6.4	5.9	5.5	5.0	4.6	4.1	3.7	3.2	2.7	2.3	1.8	1.4	1.0
21.00	208.91	319.1	21.71	16501	9.1	8.6	8.2	7.7	7.3	6.8	6.4	5.9	5.5	5.0	4.5	4.1	3.6	3.2	2.7	2.3	1.8	1.4	1.0
21.10	209.90	320.5	21.81	16576	9.0	8.6	8.1	7.7	7.2	6.8	6.3	5.9	5.4	5.0	4.5	4.1	3.6	3.2	2.7	2.3	1.8	1.4	1.0
21.20	210.90	322.0	21.91	16651	9.0	8.6	8.1	7.7	7.2	6.8	6.3	5.9	5.4	5.0	4.5	4.1	3.6	3.2	2.7	2.3	1.8	1.4	1.0
21.30	211.89	323.4	22.01	16726	9.0	8.5	8.1	7.6	7.2	6.7	6.3	5.8	5.4	4.9	4.5	4.0	3.6	3.1	2.7	2.2	1.8	1.3	1.0
21.40	212.89	324.9	22.11	16801	8.9	8.5	8.0	7.6	7.1	6.7	6.3	5.8	5.4	4.9	4.5	4.0	3.6	3.1	2.7	2.2	1.8	1.3	1.0
21.50	213.88	326.3	22.21	16876	8.9	8.4	8.0	7.6	7.1	6.7	6.2	5.8	5.3	4.9	4.4	4.0	3.6	3.1	2.7	2.2	1.8	1.3	0.9
21.60	214.88	327.8	22.30	16951	8.8	8.4	8.0	7.5	7.1	6.6	6.2	5.8	5.3	4.9	4.4	4.0	3.5	3.1	2.7	2.2	1.8	1.3	0.9
21.70	215.87	329.2	22.40	17026	8.8	8.4	7.9	7.5	7.0	6.6	6.2	5.7	5.3	4.8	4.4	4.0	3.5	3.1	2.6	2.2	1.8	1.3	0.9
21.80	216.87	330.7	22.50	17101	8.8	8.3	7.9	7.5	7.0	6.6	6.1	5.7	5.3	4.8	4.4	3.9	3.5	3.1	2.6	2.2	1.8	1.3	0.9
21.90	217.86	332.1	22.60	17176	8.7	8.3	7.9	7.4	7.0	6.6	6.1	5.7	5.2	4.8	4.4	3.9	3.5	3.1	2.6	2.2	1.7	1.3	0.9
22.00	218.86	333.6	22.70	17251	8.7	8.3	7.8	7.4	7.0	6.5	6.1	5.7	5.2	4.8	4.3	3.9	3.5	3.0	2.6	2.2	1.7	1.3	0.9
22.10	219.85	335.0	22.80	17326	8.7	8.2	7.8	7.4	6.9	6.5	6.1	5.6	5.2	4.8	4.3	3.9	3.5	3.0	2.6	2.2	1.7	1.3	0.9
22.20	220.85	336.5	22.90	17401	8.6	8.2	7.8	7.3	6.9	6.5	6.0	5.6	5.2	4.7	4.3	3.9	3.4	3.0	2.6	2.2	1.7	1.3	0.9
22.30	221.84	337.9	22.99	17476	8.6	8.2	7.7	7.3	6.9	6.4	6.0	5.6	5.2	4.7	4.3	3.9	3.4	3.0	2.6	2.1	1.7	1.3	0.9
22.40	222.84	339.4	23.09	17551	8.5	8.1	7.7	7.3	6.8	6.4	6.0	5.6	5.1	4.7	4.3	3.8	3.4	3.0	2.6	2.1	1.7	1.3	0.9

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 30

DEPTH			OXYGEN PARTIAL PRESSURE										BAR/MM HG											
BARS	MM gauge	FSH	PSIA	ATM absolute	MM Hg	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.21
			()	(absolute)		1500	1425	1350	1275	1200	1125	1050	975	900	825	750	675	600	525	450	375	300	225	150
22.50	223.83	734.4	348.8	23.19	17626	8.5	8.1	7.7	7.2	6.8	6.4	6.0	5.5	5.1	4.7	4.3	3.8	3.4	3.0	2.6	2.1	1.7	1.3	0.9
22.60	224.83	737.6	342.3	23.29	17701	8.5	8.1	7.6	7.2	6.8	6.4	5.9	5.5	5.1	4.7	4.2	3.8	3.4	3.0	2.5	2.1	1.7	1.3	0.9
22.70	225.82	740.9	343.7	23.39	17776	8.4	8.0	7.6	7.2	6.8	6.3	5.9	5.5	5.1	4.6	4.2	3.8	3.4	3.0	2.5	2.1	1.7	1.3	0.9
22.80	226.82	744.1	345.2	23.49	17851	8.4	8.0	7.6	7.1	6.7	6.3	5.9	5.5	5.0	4.6	4.2	3.8	3.4	2.9	2.5	2.1	1.7	1.3	0.9
22.90	227.81	747.4	346.6	23.59	17926	8.4	7.9	7.5	7.1	6.7	6.3	5.9	5.4	5.0	4.6	4.2	3.8	3.3	2.9	2.5	2.1	1.7	1.3	0.9
23.00	228.81	750.7	348.1	23.69	18001	8.3	7.9	7.5	7.1	6.7	6.3	5.8	5.4	5.0	4.6	4.2	3.8	3.3	2.9	2.5	2.1	1.7	1.3	0.9
23.10	229.80	753.9	349.5	23.78	18076	8.3	7.9	7.5	7.1	6.6	6.2	5.8	5.4	5.0	4.6	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.9
23.20	230.80	757.2	351.0	23.88	18151	8.3	7.9	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.7	1.2	0.9
23.30	231.79	760.5	352.4	23.98	18226	8.2	7.8	7.4	7.0	6.6	6.2	5.8	5.3	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.1	1.6	1.2	0.9
23.40	232.79	763.7	353.9	24.08	18301	8.2	7.8	7.4	7.0	6.6	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.3	2.9	2.5	2.0	1.6	1.2	0.9
23.50	233.78	767.0	355.3	24.18	18376	8.2	7.8	7.3	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.3	2.9	2.4	2.0	1.6	1.2	0.9
23.60	234.78	770.3	356.8	24.28	18451	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.1	3.7	3.3	2.8	2.4	2.0	1.6	1.2	0.9
23.70	235.77	773.5	358.2	24.38	18526	8.1	7.7	7.3	6.9	6.5	6.1	5.7	5.3	4.9	4.5	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.9
23.80	236.76	776.8	359.7	24.48	18601	8.1	7.7	7.3	6.9	6.5	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.9
23.90	237.76	780.1	361.1	24.57	18676	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.9
24.00	238.75	783.3	362.6	24.67	18752	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.9
24.10	239.75	786.6	364.1	24.77	18827	8.0	7.6	7.2	6.8	6.4	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
24.20	240.74	789.8	365.5	24.87	18902	7.9	7.5	7.1	6.7	6.3	6.0	5.6	5.2	4.8	4.4	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
24.30	241.74	793.1	367.0	24.97	18977	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.1	4.7	4.3	4.0	3.6	3.2	2.8	2.4	2.0	1.6	1.2	0.8
24.40	242.73	796.4	368.4	25.07	19052	7.9	7.5	7.1	6.7	6.3	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3.1	2.8	2.4	2.0	1.6	1.2	0.8
24.50	243.73	799.6	369.9	25.17	19127	7.8	7.5	7.1	6.7	6.3	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3.1	2.7	2.4	2.0	1.6	1.2	0.8
24.60	244.72	802.9	371.3	25.26	19202	7.8	7.4	7.0	6.6	6.3	5.9	5.5	5.1	4.7	4.3	3.9	3.5	3.1	2.7	2.3	2.0	1.6	1.2	0.8
24.70	245.72	806.2	372.8	25.36	19277	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.1	4.7	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
24.80	246.71	809.4	374.2	25.46	19352	7.8	7.4	7.0	6.6	6.2	5.8	5.4	5.0	4.7	4.3	3.9	3.5	3.1	2.7	2.3	1.9	1.6	1.2	0.8
24.90	247.71	812.7	375.7	25.56	19427	7.7	7.3	6.9	6.6	6.2	5.8	5.4	5.0	4.6	4.2	3.9	3.5	3.1	2.7	2.3	1.9	1.5	1.2	0.8

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 31

DEPT - H	OXYGEN PARTIAL PRESSURE (BAR/MM Hg)									
	MM Hg	FSM	PSIA	ATM	MM Hg	2.0	1.2	1.4	1.6	1.8
						150	125	100	75	50
25.00	240.70	816.0	377.1	25.66	19502	7.7	7.3	6.9	6.5	6.2
						5.0	4.6	4.2	3.8	3.5
						3.1	2.7	2.3	1.9	1.5
						1.2	0.8	0.4	0.0	0.0
25.10	249.70	819.2	378.6	25.76	19577	7.7	7.3	6.9	6.5	6.1
						5.0	4.6	4.2	3.8	3.4
						3.1	2.7	2.3	1.9	1.5
						1.2	0.8	0.4	0.0	0.0
25.20	258.69	822.5	380.0	25.86	19652	7.6	7.3	6.9	6.5	6.1
						5.0	4.6	4.2	3.8	3.4
						3.1	2.7	2.3	1.9	1.5
						1.2	0.8	0.4	0.0	0.0
25.30	251.69	825.7	381.5	25.96	19727	7.6	7.2	6.8	6.5	6.1
						5.0	4.6	4.2	3.8	3.4
						3.0	2.7	2.3	1.9	1.5
						1.1	0.7	0.3	0.0	0.0
25.40	252.68	829.0	382.9	26.05	19802	7.6	7.2	6.8	6.4	6.1
						5.0	4.6	4.2	3.8	3.4
						3.0	2.7	2.3	1.9	1.5
						1.1	0.7	0.3	0.0	0.0
25.50	253.68	832.3	384.4	26.15	19877	7.5	7.2	6.8	6.4	6.0
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.3	1.9	1.5
						1.1	0.7	0.3	0.0	0.0
25.60	254.67	835.5	385.8	26.25	19952	7.5	7.1	6.8	6.4	6.0
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.3	1.9	1.5
						1.1	0.7	0.3	0.0	0.0
25.70	255.67	838.8	387.3	26.35	20027	7.5	7.1	6.7	6.4	6.0
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.9	1.5
						1.1	0.7	0.3	0.0	0.0
25.80	256.66	842.1	388.7	26.45	20102	7.5	7.1	6.7	6.3	6.0
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.9	1.5
						1.1	0.7	0.3	0.0	0.0
25.90	257.66	845.3	390.2	26.55	20177	7.4	7.1	6.7	6.3	5.9
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.9	1.5
						1.1	0.7	0.3	0.0	0.0
26.00	258.65	848.6	391.6	26.65	20252	7.4	7.0	6.7	6.3	5.9
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.9	1.5
						1.1	0.7	0.3	0.0	0.0
26.10	259.65	851.9	393.1	26.74	20327	7.4	7.0	6.6	6.3	5.9
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
26.20	260.64	855.1	394.5	26.84	20402	7.4	7.0	6.6	6.3	5.9
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
26.30	261.64	858.4	396.0	26.94	20477	7.3	7.0	6.6	6.2	5.9
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
26.40	262.63	861.6	397.4	27.04	20552	7.3	6.9	6.6	6.2	5.8
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
26.50	263.62	864.9	398.9	27.14	20627	7.3	6.9	6.5	6.2	5.8
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
26.60	264.62	868.2	400.3	27.24	20702	7.2	6.9	6.5	6.2	5.8
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
26.70	265.61	871.4	401.8	27.34	20777	7.2	6.9	6.5	6.1	5.8
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
26.80	266.61	874.7	403.2	27.44	20852	7.2	6.8	6.5	6.1	5.8
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
26.90	267.60	878.0	404.7	27.53	20927	7.2	6.8	6.5	6.1	5.7
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
27.00	268.60	881.2	406.1	27.63	21002	7.1	6.8	6.4	6.1	5.7
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
27.10	269.59	884.5	407.6	27.73	21077	7.1	6.8	6.4	6.0	5.7
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
27.20	270.59	887.8	409.0	27.83	21152	7.1	6.7	6.4	6.0	5.7
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
27.30	271.58	891.0	410.5	27.93	21227	7.1	6.7	6.4	6.0	5.7
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0
27.40	272.58	894.3	411.9	28.03	21302	7.0	6.7	6.3	6.0	5.6
						5.0	4.6	4.2	3.8	3.4
						3.0	2.6	2.2	1.8	1.5
						1.1	0.7	0.3	0.0	0.0

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 32

DEPTH		OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																					
MRS	FSW	PSIA	ATM	MM Hg	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5	0.4	0.3	0.2
(	gauge	)	(	absolute	)	1.50	1.45	1.35	1.25	1.20	1.15	1.05	0.95	0.85	0.75	0.65	0.55	0.45	0.35	0.25	0.15	0.05	0.00
27.50	273.57	413.4	28.13	21377	7.0	6.7	6.3	6.0	5.6	5.3	4.9	4.6	4.2	3.9	3.5	3.2	2.8	2.5	2.1	1.9	1.4	1.1	0.7
27.60	274.57	414.8	28.23	21452	7.0	6.6	6.3	5.9	5.6	5.2	4.9	4.5	4.2	3.8	3.5	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
27.70	275.56	416.3	28.32	21527	7.0	6.6	6.3	5.9	5.6	5.2	4.9	4.5	4.2	3.8	3.5	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
27.80	276.56	417.7	28.42	21602	6.9	6.6	6.3	5.9	5.6	5.2	4.9	4.5	4.2	3.8	3.5	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
27.90	277.55	419.2	28.52	21677	6.9	6.6	6.2	5.9	5.5	5.2	4.8	4.5	4.2	3.8	3.5	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
28.00	278.55	420.6	28.62	21752	6.9	6.6	6.2	5.9	5.5	5.2	4.8	4.5	4.1	3.8	3.4	3.1	2.8	2.4	2.1	1.7	1.4	1.0	0.7
28.10	279.54	422.1	28.72	21827	6.9	6.5	6.2	5.8	5.5	5.2	4.8	4.5	4.1	3.8	3.4	3.1	2.7	2.4	2.1	1.7	1.4	1.0	0.7
28.20	280.54	423.5	28.82	21902	6.8	6.5	6.2	5.8	5.5	5.1	4.8	4.5	4.1	3.8	3.4	3.1	2.7	2.4	2.1	1.7	1.4	1.0	0.7
28.30	281.53	425.0	28.92	21977	6.8	6.5	6.1	5.8	5.5	5.1	4.8	4.4	4.1	3.8	3.4	3.1	2.7	2.4	2.0	1.7	1.4	1.0	0.7
28.40	282.53	426.4	29.01	22052	6.8	6.5	6.1	5.8	5.4	5.1	4.8	4.4	4.1	3.7	3.4	3.1	2.7	2.4	2.0	1.7	1.4	1.0	0.7
28.50	283.52	427.9	29.11	22127	6.8	6.4	6.1	5.8	5.4	5.1	4.7	4.4	4.1	3.7	3.4	3.1	2.7	2.4	2.0	1.7	1.4	1.0	0.7
28.60	284.52	429.3	29.21	22202	6.8	6.4	6.1	5.7	5.4	5.1	4.7	4.4	4.1	3.7	3.4	3.0	2.7	2.4	2.0	1.7	1.4	1.0	0.7
28.70	285.51	430.8	29.31	22277	6.7	6.4	6.1	5.7	5.4	5.1	4.7	4.4	4.0	3.7	3.4	3.0	2.7	2.4	2.0	1.7	1.3	1.0	0.7
28.80	286.51	432.2	29.41	22352	6.7	6.4	6.0	5.7	5.4	5.0	4.7	4.4	4.0	3.7	3.4	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7
28.90	287.50	433.7	29.51	22427	6.7	6.4	6.0	5.7	5.4	5.0	4.7	4.3	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7
29.00	288.49	435.1	29.61	22502	6.7	6.3	6.0	5.7	5.3	5.0	4.7	4.3	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7
29.10	289.49	436.6	29.71	22577	6.6	6.3	6.0	5.6	5.3	5.0	4.7	4.3	4.0	3.7	3.3	3.0	2.7	2.3	2.0	1.7	1.3	1.0	0.7
29.20	290.48	438.0	29.80	22652	6.6	6.3	6.0	5.6	5.3	5.0	4.6	4.3	4.0	3.6	3.3	3.0	2.6	2.3	2.0	1.7	1.3	1.0	0.7
29.30	291.48	439.5	29.90	22727	6.6	6.3	5.9	5.6	5.3	5.0	4.6	4.3	4.0	3.6	3.3	3.0	2.6	2.3	2.0	1.7	1.3	1.0	0.7
29.40	292.47	440.9	30.00	22802	6.6	6.3	5.9	5.6	5.3	4.9	4.6	4.3	3.9	3.6	3.3	3.0	2.6	2.3	2.0	1.6	1.3	1.0	0.7
29.50	293.47	442.4	30.10	22877	6.6	6.2	5.9	5.6	5.2	4.9	4.6	4.3	3.9	3.6	3.3	3.0	2.6	2.3	2.0	1.6	1.3	1.0	0.7
29.60	294.46	443.8	30.20	22952	6.5	6.2	5.9	5.6	5.2	4.9	4.6	4.2	3.9	3.6	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.0	0.7
29.70	295.46	445.3	30.30	23027	6.5	6.2	5.9	5.5	5.2	4.9	4.6	4.2	3.9	3.6	3.3	2.9	2.6	2.3	2.0	1.6	1.3	1.0	0.7
29.80	296.45	446.7	30.40	23102	6.5	6.2	5.8	5.5	5.2	4.9	4.5	4.2	3.9	3.6	3.2	2.9	2.6	2.3	1.9	1.6	1.3	1.0	0.7
29.90	297.45	448.2	30.50	23177	6.5	6.1	5.8	5.5	5.2	4.9	4.5	4.2	3.9	3.6	3.2	2.9	2.6	2.3	1.9	1.6	1.3	1.0	0.7

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 33

DEPTH		OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																						
MS	FW	PSIA	ATM	MM Hg	2.0	1.7	1.5	1.4	1.3	1.2	1.1	1.0	0.9	0.8	0.7	0.6	0.5							
(	feet	)	absolute	)	130	125	120	115	110	105	100	95	90	85	80	75	70							
30.00	290.44	779.1	449.6	30.59	23552	6.5	6.1	5.8	5.5	5.2	4.8	4.5	4.2	3.9	3.5	3.2	2.9	2.6	2.3	1.9	1.6	1.3	1.0	0.7
30.20	300.43	905.7	452.5	30.79	23402	6.4	6.1	5.8	5.4	5.1	4.8	4.5	4.2	3.8	3.5	3.2	2.9	2.6	2.2	1.9	1.6	1.3	1.0	0.7
30.40	302.42	922.2	455.4	30.99	23552	6.4	6.1	5.7	5.4	5.1	4.8	4.5	4.1	3.8	3.5	3.2	2.9	2.5	2.2	1.9	1.6	1.3	1.0	0.7
30.60	314.41	998.7	458.3	31.19	23702	6.3	6.0	5.7	5.4	5.1	4.7	4.4	4.1	3.8	3.5	3.2	2.8	2.5	2.2	1.9	1.6	1.3	0.9	0.7
30.80	306.40	1005.3	461.2	31.39	23852	6.3	6.0	5.7	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5	2.2	1.9	1.6	1.3	0.9	0.7
31.00	308.39	1011.8	464.1	31.59	24002	6.3	5.9	5.6	5.3	5.0	4.7	4.4	4.1	3.8	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.3	0.9	0.7
31.20	310.38	1018.3	467.0	31.79	24152	6.2	5.9	5.6	5.3	5.0	4.7	4.3	4.0	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.6	1.2	0.9	0.7
31.40	312.37	1024.8	469.9	31.99	24302	6.2	5.9	5.6	5.2	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.8	2.5	2.2	1.9	1.5	1.2	0.9	0.7
31.60	314.36	1031.4	472.8	32.17	24452	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.8	2.5	2.1	1.8	1.5	1.2	0.9	0.7
31.80	316.35	1037.9	475.7	32.37	24602	6.1	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.7	3.4	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
32.00	318.34	1044.4	478.6	32.57	24752	6.1	5.8	5.5	5.2	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
32.20	320.33	1050.9	481.5	32.77	24902	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
32.40	322.32	1057.5	484.4	32.96	25052	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
32.60	324.31	1064.0	487.3	33.16	25202	6.0	5.7	5.4	5.1	4.8	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
32.80	326.30	1070.5	490.2	33.36	25352	5.9	5.6	5.3	5.0	4.7	4.4	4.1	3.8	3.6	3.3	3.0	2.7	2.4	2.1	1.8	1.5	1.2	0.9	0.6
33.00	328.29	1077.1	493.1	33.55	25502	5.9	5.6	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.4	2.1	1.8	1.5	1.2	0.9	0.6
33.20	330.28	1083.6	496.0	33.75	25652	5.8	5.6	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.8	1.5	1.2	0.9	0.6
33.40	332.27	1090.1	498.9	33.95	25802	5.8	5.5	5.2	4.9	4.7	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.7	1.5	1.2	0.9	0.6
33.60	334.26	1096.6	501.8	34.15	25952	5.8	5.5	5.2	4.9	4.6	4.3	4.0	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.7	1.4	1.2	0.9	0.6
33.80	336.25	1103.2	504.7	34.34	26102	5.7	5.5	5.2	4.9	4.6	4.3	4.0	3.7	3.4	3.2	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
34.00	338.24	1109.7	507.6	34.54	26252	5.7	5.4	5.1	4.9	4.6	4.3	4.0	3.7	3.4	3.1	2.9	2.6	2.3	2.0	1.7	1.4	1.1	0.9	0.6
34.20	340.23	1116.2	510.5	34.74	26402	5.7	5.4	5.1	4.8	4.5	4.3	4.0	3.7	3.4	3.1	2.8	2.6	2.3	2.0	1.7	.4	1.1	0.9	0.6
34.40	342.21	1122.7	513.4	34.94	26552	5.6	5.4	5.1	4.8	4.5	4.2	4.0	3.7	3.4	3.1	2.8	2.5	2.3	2.0	1.7	1.4	1.1	0.8	0.6
34.60	344.20	1129.3	516.3	35.13	26702	5.6	5.3	5.1	4.8	4.5	4.2	3.9	3.7	3.4	3.1	2.8	2.5	2.2	2.0	1.7	1.4	1.1	0.8	0.6
34.80	346.19	1135.8	519.2	35.33	26852	5.6	5.3	5.0	4.7	4.5	4.2	3.9	3.6	3.4	3.1	2.8	2.5	2.2	2.0	1.7	1.4	1.1	0.8	0.6

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 34

DEPTH		OXYGEN PARTIAL PRESSURE / MM Hg																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																					
DMS	FSM	PSIA	ATM	MM Hg																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
(gauge)	absolute)	150	165	180	195	210	225	240	255	270	285	300	315	330	345	360	375	390	405	420	435	450	465	480	495	510	525	540	555	570	585	600	615	630	645	660	675	690	705	720	735	750	765	780	795	810	825	840	855	870	885	900	915	930	945	960	975	990	1005	1020	1035	1050	1065	1080	1095	1110	1125	1140	1155	1170	1185	1200	1215	1230	1245	1260	1275	1290	1305	1320	1335	1350	1365	1380	1395	1410	1425	1440	1455	1470	1485	1500	1515	1530	1545	1560	1575	1590	1605	1620	1635	1650	1665	1680	1695	1710	1725	1740	1755	1770	1785	1800	1815	1830	1845	1860	1875	1890	1905	1920	1935	1950	1965	1980	1995	2010	2025	2040	2055	2070	2085	2100	2115	2130	2145	2160	2175	2190	2205	2220	2235	2250	2265	2280	2295	2310	2325	2340	2355	2370	2385	2400	2415	2430	2445	2460	2475	2490	2505	2520	2535	2550	2565	2580	2595	2610	2625	2640	2655	2670	2685	2700	2715	2730	2745	2760	2775	2790	2805	2820	2835	2850	2865	2880	2895	2910	2925	2940	2955	2970	2985	3000	3015	3030	3045	3060	3075	3090	3105	3120	3135	3150	3165	3180	3195	3210	3225	3240	3255	3270	3285	3300	3315	3330	3345	3360	3375	3390	3405	3420	3435	3450	3465	3480	3495	3510	3525	3540	3555	3570	3585	3600	3615	3630	3645	3660	3675	3690	3705	3720	3735	3750	3765	3780	3795	3810	3825	3840	3855	3870	3885	3900	3915	3930	3945	3960	3975	3990	4005	4020	4035	4050	4065	4080	4095	4110	4125	4140	4155	4170	4185	4200	4215	4230	4245	4260	4275	4290	4305	4320	4335	4350	4365	4380	4395	4410	4425	4440	4455	4470	4485	4500	4515	4530	4545	4560	4575	4590	4605	4620	4635	4650	4665	4680	4695	4710	4725	4740	4755	4770	4785	4800	4815	4830	4845	4860	4875	4890	4905	4920	4935	4950	4965	4980	4995	5010	5025	5040	5055	5070	5085	5100	5115	5130	5145	5160	5175	5190	5205	5220	5235	5250	5265	5280	5295	5310	5325	5340	5355	5370	5385	5400	5415	5430	5445	5460	5475	5490	5505	5520	5535	5550	5565	5580	5595	5610	5625	5640	5655	5670	5685	5700	5715	5730	5745	5760	5775	5790	5805	5820	5835	5850	5865	5880	5895	5910	5925	5940	5955	5970	5985	6000	6015	6030	6045	6060	6075	6090	6105	6120	6135	6150	6165	6180	6195	6210	6225	6240	6255	6270	6285	6300	6315	6330	6345	6360	6375	6390	6405	6420	6435	6450	6465	6480	6495	6510	6525	6540	6555	6570	6585	6600	6615	6630	6645	6660	6675	6690	6705	6720	6735	6750	6765	6780	6795	6810	6825	6840	6855	6870	6885	6900	6915	6930	6945	6960	6975	6990	7005	7020	7035	7050	7065	7080	7095	7110	7125	7140	7155	7170	7185	7200	7215	7230	7245	7260	7275	7290	7305	7320	7335	7350	7365	7380	7395	7410	7425	7440	7455	7470	7485	7500	7515	7530	7545	7560	7575	7590	7605	7620	7635	7650	7665	7680	7695	7710	7725	7740	7755	7770	7785	7800	7815	7830	7845	7860	7875	7890	7905	7920	7935	7950	7965	7980	7995	8010	8025	8040	8055	8070	8085	8100	8115	8130	8145	8160	8175	8190	8205	8220	8235	8250	8265	8280	8295	8310	8325	8340	8355	8370	8385	8400	8415	8430	8445	8460	8475	8490	8505	8520	8535	8550	8565	8580	8595	8610	8625	8640	8655	8670	8685	8700	8715	8730	8745	8760	8775	8790	8805	8820	8835	8850	8865	8880	8895	8910	8925	8940	8955	8970	8985	9000	9015	9030	9045	9060	9075	9090	9105	9120	9135	9150	9165	9180	9195	9210	9225	9240	9255	9270	9285	9300	9315	9330	9345	9360	9375	9390	9405	9420	9435	9450	9465	9480	9495	9510	9525	9540	9555	9570	9585	9600	9615	9630	9645	9660	9675	9690	9705	9720	9735	9750	9765	9780	9795	9810	9825	9840	9855	9870	9885	9900	9915	9930	9945	9960	9975	9990	10005	10020	10035	10050	10065	10080	10095	10110	10125	10140	10155	10170	10185	10200	10215	10230	10245	10260	10275	10290	10305	10320	10335	10350	10365	10380	10395	10410	10425	10440	10455	10470	10485	10500	10515	10530	10545	10560	10575	10590	10605	10620	10635	10650	10665	10680	10695	10710	10725	10740	10755	10770	10785	10800	10815	10830	10845	10860	10875	10890	10905	10920	10935	10950	10965	10980	10995	11010	11025	11040	11055	11070	11085	11100	11115	11130	11145	11160	11175	11190	11205	11220	11235	11250	11265	11280	11295	11310	11325	11340	11355	11370	11385	11400	11415	11430	11445	11460	11475	11490	11505	11520	11535	11550	11565	11580	11595	11610	11625	11640	11655	11670	11685	11700	11715	11730	11745	11760	11775	11790	11805	11820	11835	11850	11865	11880	11895	11910	11925	11940	11955	11970	11985	12000	12015	12030	12045	12060	12075	12090	12105	12120	12135	12150	12165	12180	12195	12210	12225	12240	12255	12270	12285	12300	12315	12330	12345	12360	12375	12390	12405	12420	12435	12450	12465	12480	12495	12510	12525	12540	12555	12570	12585	12600	12615	12630	12645	12660	12675	12690	12705	12720	12735	12750	12765	12780	12795	12810	12825	12840	12855	12870	12885	12900	12915	12930	12945	12960	12975	12990	13005	13020	13035	13050	13065	13080	13095	13110	13125	13140	13155	13170	13185	13200	13215	13230	13245	13260	13275	13290	13305	13320	13335	13350	13365	13380	13395	13410	13425	13440	13455	13470	13485	13500	13515	13530	13545	13560	13575	13590	13605	13620	13635	13650	13665	13680	13695	13710	13725	13740	13755	13770	13785	13800	13815	13830	13845	13860	13875	13890	13905	13920	13935	13950	13965	13980	13995	14010	14025	14040	14055	14070	14085	14100	14115	14130	14145	14160	14175	14190	14205	14220	14235	14250	14265	14280	14295	14310	14325	14340	14355	14370	14385	14400	14415	14430	14445	14460	14475	14490	14505	14520	14535	14550	14565	14580	14595	14610	14625	14640	14655	14670	14685	14700	14715	14730	14745	14760	14775	14790	14805	14820	14835	14850	14865	14880	14895	14910	14925	14940	14955	14970	14985	15000	15015	15030	15045	15060	15075	15090	15105	15120	15135	15150	15165	15180	15195	15210	15225	15240	15255	15270	15285	15300	15315	15330	15345	15360	15375	15390	15405	15420	15435	15450	15465	15480	15495	15510	15525	15540	15555	15570	15585	15600	15615	15630	15645	15660	15675	15690	15705	15720	15735	15750	15765	15780	15795	15810	15825	15840	15855	15870	15885	15900	15915	15930	15945	15960	15975	15990	16005	16020	16035	16050	16065	16080	16095	16110	16125	16140	16155	16170	16185	16200	16215	16230	16245	16260	16275	16290	16305	16320	16335	16350	16365	16380	16395	16410	16425	16440	16455	16470	16485	16500	16515	16530	16545	16560	16575	16590	16605	16620	16635	16650	16665	16680	16695	16710	16725	16740	16755	16770	16785	16800	16815	16830	16845	16860	16875	16890	16905	16920	16935	16950	16965	16980	16995	17010	17025	17040	17055	17070	17085	17100	17115	17130	17145	17160	17175	17190	17205	17220	17235	17250	17265	17280	17295	17310	17325	17340	17355	17370	17385	17400	17415	17430	17445	17460	17475	17490	17505	17520	17535	17550	17565	17580	17595	17610	17625	17640	17655	17670	17685	17700	17715	17730	17745	17760	17775	17790	17805	17820	17835	17850	17865	17880	17895	17910	17925	17940	17955	17970	17985	18000	18015	18030	18045	18060	18075	18090	18105	18120	18135	18150	18165	18180	18195	18210	18225	18240	18255	18270	18285	18300	18315	18330	18345	18360	18375	18390	18405	18420	18435	18450	18465	18480	18495	18510	18525	18540	18555	18570	18585	18600	18615	18630	18645	18660	18675	18690	18705	18720	18735	18750	18765	18780	18795	18810	18825	18840	18855	18870	18885	18900	18915	18930	18945	18960	18975	18990	19005	19020	19035	19050	19065	19080	19095	19110	19125	19140	19155	19170	19185	19200	19215	19230	19245	19260	19275	19290	19305	19320	19335	19350	19365	19380	19395	19410	19425	19440	19455	19470	19485	19500	19515	19530	19545	19560	19575	19590	19605	1962

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 35

DMS	DEPTH		OXYGEN		PARTIAL PRESSURE		BAR/MM		HG															
	MM	FEET	PSIA	ATM	MM	IN	PSIA	ATM	MM	IN														
40.00	377.92	1305.5	594.7	40.46	30752	4.9	4.6	4.4	4.1	3.9	3.7	3.4	3.2	2.9	2.7	2.4	2.2	2.0	1.7	1.5	1.2	1.0	0.7	0.5
40.20	379.91	1312.0	597.6	40.66	30902	4.9	4.6	4.4	4.1	3.9	3.6	3.4	3.2	2.9	2.7	2.4	2.2	1.9	1.7	1.5	1.2	1.0	0.7	0.5
40.40	401.90	1310.6	600.5	40.86	31052	4.8	4.6	4.3	4.1	3.9	3.6	3.4	3.1	2.9	2.7	2.4	2.2	1.9	1.7	1.4	1.2	1.0	0.7	0.5
40.60	403.89	1285.1	603.4	41.06	31202	4.8	4.6	4.3	4.1	3.8	3.6	3.4	3.1	2.9	2.6	2.4	2.2	1.9	1.7	1.4	1.2	1.0	0.7	0.5
40.80	405.88	1331.6	606.3	41.25	31353	4.8	4.5	4.3	4.1	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.2	1.9	1.7	1.4	1.2	1.0	0.7	0.5
41.00	407.87	1308.2	609.2	41.45	31503	4.8	4.5	4.3	4.0	3.8	3.6	3.3	3.1	2.9	2.6	2.4	2.1	1.9	1.7	1.4	1.2	1.0	0.7	0.5
41.20	409.86	1344.7	612.1	41.65	31653	4.7	4.5	4.3	4.0	3.8	3.6	3.3	3.1	2.8	2.6	2.4	2.1	1.9	1.7	1.4	1.2	0.9	0.7	0.5
41.40	411.85	1351.2	615.0	41.84	31803	4.7	4.5	4.2	4.0	3.8	3.5	3.3	3.1	2.8	2.6	2.4	2.1	1.9	1.7	1.4	1.2	0.9	0.7	0.5
41.60	413.84	1357.7	617.9	42.04	31953	4.7	4.5	4.2	4.0	3.8	3.5	3.3	3.1	2.8	2.6	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
41.80	415.83	1364.3	620.8	42.24	32103	4.7	4.4	4.2	4.0	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
42.00	417.82	1370.8	623.7	42.44	32253	4.7	4.4	4.2	4.0	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
42.20	419.81	1377.3	626.6	42.63	32403	4.6	4.4	4.2	3.9	3.7	3.5	3.2	3.0	2.8	2.5	2.3	2.1	1.9	1.6	1.4	1.2	0.9	0.7	0.5
42.40	421.80	1383.9	629.5	42.83	32553	4.6	4.4	4.1	3.9	3.7	3.5	3.2	3.0	2.8	2.5	2.3	2.1	1.8	1.6	1.4	1.2	0.9	0.7	0.5
42.60	423.79	1390.4	632.4	43.03	32703	4.6	4.4	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.8	1.6	1.4	1.1	0.9	0.7	0.5
42.80	425.78	1396.9	635.3	43.23	32853	4.6	4.3	4.1	3.9	3.7	3.4	3.2	3.0	2.7	2.5	2.3	2.1	1.8	1.6	1.4	1.1	0.9	0.7	0.5
43.00	427.77	1403.4	638.2	43.42	33003	4.5	4.3	4.1	3.9	3.6	3.4	3.2	3.0	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5
43.20	429.76	1410.0	641.1	43.62	33153	4.5	4.3	4.1	3.8	3.6	3.4	3.2	2.9	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5
43.40	431.75	1416.5	644.0	43.82	33303	4.5	4.3	4.1	3.8	3.6	3.4	3.2	2.9	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.1	0.9	0.7	0.5
43.60	433.74	1423.0	646.9	44.02	33453	4.5	4.3	4.0	3.8	3.6	3.4	3.1	2.9	2.7	2.5	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.7	0.5
43.80	435.73	1429.5	649.8	44.21	33603	4.5	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.7	2.5	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.7	0.5
44.00	437.72	1436.1	652.7	44.41	33753	4.4	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.8	1.6	1.3	1.1	0.9	0.7	0.5
44.20	439.71	1442.6	655.6	44.61	33903	4.4	4.2	4.0	3.8	3.5	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.8	1.5	1.3	1.1	0.9	0.7	0.5
44.40	441.70	1449.1	658.5	44.81	34053	4.4	4.2	4.0	3.7	3.5	3.3	3.1	2.9	2.6	2.4	2.2	2.0	1.8	1.5	1.3	1.1	0.9	0.7	0.5
44.60	443.69	1455.7	661.4	45.00	34203	4.4	4.2	3.9	3.7	3.5	3.3	3.1	2.9	2.6	2.4	2.2	2.0	1.8	1.5	1.3	1.1	0.9	0.7	0.5
44.80	445.67	1462.2	664.3	45.20	34353	4.4	4.1	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	2.0	1.7	1.5	1.3	1.1	0.9	0.7	0.5

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 36

DEPTH			OXYGEN		PARTIAL		PRESSURE		BAR/MM		H.G.															
MPS	MM	FWS	PSIA	ATM	MM Hg	absolute	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	9.5	10.0	
45.00	447.66	1468.7	667.2	45.48	34583	4.3	4.1	3.9	3.7	3.5	3.3	3.0	2.6	2.4	2.2	2.0	1.7	1.5	1.3	1.1	0.9	0.7	0.5			
45.20	449.65	1475.2	670.1	45.59	34653	4.3	4.1	3.9	3.7	3.5	3.2	3.0	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.5			
45.40	451.64	1481.8	673.0	45.79	34883	4.3	4.1	3.9	3.7	3.4	3.2	3.0	2.6	2.4	2.2	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.5			
45.60	453.63	1488.3	675.9	45.99	34953	4.3	4.1	3.9	3.6	3.4	3.2	3.0	2.6	2.4	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.5			
45.80	455.62	1494.8	678.8	46.19	35183	4.3	4.1	3.8	3.6	3.4	3.2	3.0	2.6	2.4	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.5			
46.00	457.61	1501.3	681.7	46.38	35253	4.3	4.0	3.8	3.6	3.4	3.2	3.0	2.6	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.6	0.5			
46.20	459.60	1507.9	684.6	46.58	35403	4.2	4.0	3.8	3.6	3.4	3.2	3.0	2.6	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.8	0.6	0.5			
46.40	461.59	1514.4	687.5	46.78	35553	4.2	4.0	3.8	3.4	3.4	3.2	3.0	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.8	0.6	0.4		
46.60	463.58	1520.9	690.4	46.98	35703	4.2	4.0	3.8	3.6	3.4	3.2	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.8	0.6	0.4		
46.80	465.57	1527.5	693.3	47.17	35853	4.2	4.0	3.8	3.6	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.0	0.8	0.6	0.4		
47.00	467.56	1534.0	696.2	47.37	36003	4.2	4.0	3.8	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.0	0.8	0.6	0.4		
47.20	469.55	1540.5	699.1	47.57	36153	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.2	1.0	0.8	0.6	0.4		
47.40	471.54	1547.0	702.0	47.77	36303	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.4	1.2	1.0	0.8	0.6	0.4		
47.60	473.53	1553.6	704.9	47.96	36453	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
47.80	475.52	1560.1	707.8	48.16	36603	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
48.00	477.51	1566.6	710.7	48.36	36753	4.1	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
48.20	479.50	1573.2	713.6	48.56	36903	4.1	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
48.40	481.49	1579.7	716.5	48.75	37053	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
48.60	483.48	1586.2	719.4	48.95	37203	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
48.80	485.47	1592.7	722.3	49.15	37353	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
49.00	487.46	1599.3	725.2	49.35	37503	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
49.20	489.45	1605.8	728.1	49.54	37653	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
49.40	491.44	1612.3	731.0	49.74	37803	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
49.60	493.43	1618.8	733.9	49.94	37953	4.0	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		
49.80	495.42	1625.4	736.8	50.13	38103	3.9	3.7	3.5	3.3	3.1	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4		

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 32

DEPTH			OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																					
DEPTH	PSIA	ATM	OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																					
(meters)	(absolute)	(atmosphere)	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	
50.00	477.41	1631.9	737.7	50.33	30253	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
50.20	479.39	1630.4	742.6	50.53	30403	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	2.0	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
50.40	501.30	1645.0	745.5	50.73	30553	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4
50.60	503.37	1651.5	748.4	50.92	30703	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.8	0.6	0.4
50.80	505.36	1658.0	751.3	51.12	30853	3.9	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.4	1.2	1.0	0.8	0.6	0.4
51.00	507.35	1664.5	754.2	51.32	31003	3.8	3.7	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.6	0.4
51.20	509.34	1671.1	757.1	51.52	31153	3.8	3.6	3.4	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
51.40	511.33	1677.6	760.0	51.71	31303	3.8	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
51.60	513.32	1684.1	762.9	51.91	31453	3.8	3.6	3.4	3.2	3.0	2.9	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	1.0	0.8	0.6	0.4
51.80	515.31	1690.6	765.8	52.11	31603	3.8	3.6	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.8	0.6	0.4
52.00	517.30	1697.2	768.7	52.31	31753	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.8	0.6	0.4
52.20	519.29	1703.7	771.6	52.50	31903	3.8	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.3	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.8	0.6	0.4
52.40	521.28	1710.2	774.5	52.70	40053	3.7	3.6	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
52.60	523.27	1716.8	777.4	52.90	40203	3.7	3.5	3.4	3.2	3.0	2.8	2.6	2.4	2.2	2.1	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
52.80	525.26	1723.3	780.3	53.10	40353	3.7	3.5	3.3	3.2	3.0	2.8	2.6	2.4	2.2	2.0	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
53.00	527.25	1729.8	783.2	53.29	40503	3.7	3.5	3.3	3.1	3.0	2.8	2.6	2.4	2.2	2.0	1.9	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
53.20	529.24	1736.3	786.1	53.49	40653	3.7	3.5	3.3	3.1	3.0	2.8	2.6	2.4	2.2	2.0	1.8	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
53.40	531.23	1742.9	789.0	53.69	40803	3.7	3.5	3.3	3.1	2.9	2.8	2.6	2.4	2.2	2.0	1.8	1.7	1.5	1.3	1.1	0.9	0.7	0.6	0.4
53.60	533.22	1749.4	791.9	53.88	40953	3.7	3.5	3.3	3.1	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
53.80	535.21	1755.9	794.8	54.08	41103	3.6	3.5	3.3	3.1	2.9	2.7	2.6	2.4	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
54.00	537.20	1762.5	797.7	54.28	41253	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.0	1.8	1.6	1.5	1.3	1.1	0.9	0.7	0.5	0.4
54.20	539.19	1769.0	800.6	54.48	41403	3.6	3.4	3.3	3.1	2.9	2.7	2.5	2.4	2.2	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.7	0.5	0.4
54.40	541.18	1775.5	803.5	54.67	41553	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.7	0.5	0.4
54.60	543.17	1782.0	806.4	54.87	41703	3.6	3.4	3.2	3.1	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.7	0.5	0.4
54.80	545.16	1788.6	809.3	55.07	41853	3.6	3.4	3.2	3.0	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.7	0.5	0.4

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 38

DEPTH		OXYGEN PARTIAL PRESSURE / MM Hg																																			
MMHg	FSH	PSIA	ATM	MMHg																																	
(gauge)	()	()	(absolute)	()	150	145	140	135	130	125	120	115	110	105	100	95	90	85	80	75	70	65	60	55	50	45	40	35	30	25	20	15	10	5	0		
55.00	547.15	1795.1	012.2	55.27	42003	3.6	3.4	3.2	3.0	2.9	2.7	2.5	2.3	2.1	2.0	1.8	1.6	1.4	1.3	1.1	0.9	0.7	0.5	0.4													
55.20	549.14	1801.6	015.1	55.46	42153	3.6	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.1	2.0	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4													
55.40	551.12	1808.1	018.0	55.66	42303	3.5	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.1	2.0	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4													
55.60	553.11	1814.7	020.9	55.86	42453	3.5	3.4	3.2	3.0	2.8	2.7	2.5	2.3	2.1	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4													
55.80	555.10	1821.2	023.8	56.06	42603	3.5	3.3	3.2	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4													
56.00	557.09	1827.7	026.7	56.25	42753	3.5	3.3	3.2	3.0	2.8	2.6	2.5	2.3	2.1	1.9	1.8	1.6	1.4	1.2	1.1	0.9	0.7	0.5	0.4													
56.20	559.08	1834.3	029.6	56.45	42903	3.5	3.3	3.1	3.0	2.8	2.6	2.4	2.3	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.4													
56.40	561.07	1840.8	032.5	56.65	43053	3.5	3.3	3.1	3.0	2.8	2.6	2.4	2.3	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.4													
56.60	563.06	1847.3	035.4	56.85	43203	3.5	3.3	3.1	3.0	2.8	2.6	2.4	2.3	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.4													
56.80	565.05	1853.8	038.3	57.04	43353	3.5	3.3	3.1	2.9	2.8	2.6	2.4	2.2	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.4													
57.00	567.04	1860.4	041.2	57.24	43503	3.4	3.3	3.1	2.9	2.8	2.6	2.4	2.2	2.1	1.9	1.7	1.6	1.4	1.2	1.0	0.9	0.7	0.5	0.4													
57.20	569.03	1866.9	044.1	57.44	43653	3.4	3.3	3.1	2.9	2.7	2.6	2.4	2.2	2.1	1.9	1.7	1.5	1.4	1.2	1.0	0.9	0.7	0.5	0.4													
57.40	571.02	1873.4	047.0	57.63	43804	3.4	3.3	3.1	2.9	2.7	2.6	2.4	2.2	2.1	1.9	1.7	1.5	1.4	1.2	1.0	0.9	0.7	0.5	0.4													
57.60	573.01	1879.9	049.9	57.83	43954	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.0	1.9	1.7	1.5	1.4	1.2	1.0	0.9	0.7	0.5	0.4													
57.80	575.00	1886.5	052.8	58.03	44104	3.4	3.2	3.1	2.9	2.7	2.6	2.4	2.2	2.0	1.9	1.7	1.5	1.4	1.2	1.0	0.9	0.7	0.5	0.4													
58.00	576.99	1893.0	055.7	58.23	44254	3.4	3.2	3.1	2.9	2.7	2.5	2.4	2.2	2.0	1.9	1.7	1.5	1.4	1.2	1.0	0.8	0.7	0.5	0.4													
58.20	578.98	1899.5	058.6	58.42	44404	3.4	3.2	3.0	2.9	2.7	2.5	2.4	2.2	2.0	1.9	1.7	1.5	1.4	1.2	1.0	0.8	0.7	0.5	0.4													
58.40	580.97	1906.1	061.5	58.62	44554	3.4	3.2	3.0	2.9	2.7	2.5	2.4	2.2	2.0	1.9	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.4													
58.60	582.96	1912.6	064.4	58.82	44704	3.4	3.2	3.0	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.4													
58.80	584.95	1919.1	067.3	59.02	44854	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.4													
59.00	586.94	1925.6	070.2	59.21	45004	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.4													
59.20	588.93	1932.2	073.1	59.41	45154	3.3	3.2	3.0	2.8	2.7	2.5	2.3	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.4													
59.40	590.92	1938.7	076.0	59.61	45304	3.3	3.1	3.0	2.8	2.6	2.5	2.3	2.2	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.4													
59.60	592.91	1945.2	078.9	59.81	45454	3.3	3.1	3.0	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.7	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.4													
59.80	594.90	1951.8	081.8	60.00	45604	3.3	3.1	3.0	2.8	2.6	2.5	2.3	2.1	2.0	1.8	1.6	1.5	1.3	1.2	1.0	0.8	0.7	0.5	0.4													

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 39

DEPTH		OXYGEN PARTIAL PRESSURE (BAR/MM Hg)									
DEFS	MM gauge	FSM	PSIA	ATM	MM Hg	150	175	200	225	250	275
60.00	596.87	1958.3	804.7	60.20	45754	3.3	3.1	3.0	2.8	2.6	2.5
60.20	598.00	1964.8	807.6	60.40	45904	3.3	3.1	2.9	2.8	2.6	2.5
60.40	600.87	1971.3	810.5	60.60	46054	3.3	3.1	2.9	2.8	2.6	2.4
60.60	602.85	1977.9	813.4	60.79	46204	3.2	3.1	2.9	2.8	2.6	2.4
60.80	604.84	1984.4	816.3	60.99	46354	3.2	3.1	2.9	2.8	2.6	2.4
61.00	606.83	1990.9	819.2	61.19	46504	3.2	3.1	2.9	2.7	2.6	2.4
61.20	608.82	1997.4	822.1	61.39	46654	3.2	3.1	2.9	2.7	2.6	2.4
61.40	610.81	2004.0	825.0	61.58	46804	3.2	3.0	2.9	2.7	2.6	2.4
61.60	612.80	2010.5	827.9	61.78	46954	3.2	3.0	2.9	2.7	2.6	2.4
61.80	614.79	2017.0	830.8	61.98	47104	3.2	3.0	2.9	2.7	2.5	2.4
62.00	616.78	2023.6	833.8	62.17	47254	3.2	3.0	2.9	2.7	2.5	2.4
62.20	618.77	2030.1	836.7	62.37	47404	3.2	3.0	2.8	2.7	2.5	2.4
62.40	620.76	2036.6	839.6	62.57	47554	3.2	3.0	2.8	2.7	2.5	2.4
62.60	622.75	2043.1	842.5	62.77	47704	3.1	3.0	2.8	2.7	2.5	2.4
62.80	624.74	2049.7	845.4	62.96	47854	3.1	3.0	2.8	2.7	2.5	2.4
63.00	626.73	2056.2	848.3	63.16	48004	3.1	3.0	2.8	2.7	2.5	2.3
63.20	628.72	2062.7	851.2	63.36	48154	3.1	3.0	2.8	2.6	2.5	2.3
63.40	630.71	2069.2	854.1	63.56	48304	3.1	3.0	2.8	2.6	2.5	2.3
63.60	632.70	2075.8	857.0	63.75	48454	3.1	2.9	2.8	2.6	2.5	2.3
63.80	634.69	2082.3	859.9	63.95	48604	3.1	2.9	2.8	2.6	2.5	2.3
64.00	636.68	2088.8	862.8	64.15	48754	3.1	2.9	2.8	2.6	2.5	2.3
64.20	638.67	2095.4	865.7	64.35	48904	3.1	2.9	2.8	2.6	2.5	2.3
64.40	640.66	2101.9	868.6	64.54	49054	3.1	2.9	2.8	2.5	2.4	2.3
64.60	642.65	2108.4	871.5	64.74	49204	3.0	2.9	2.7	2.6	2.4	2.3
64.80	644.64	2114.9	874.4	64.94	49354	3.0	2.9	2.7	2.6	2.4	2.3

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 40

DEPTH		OXYGEN		PARTIAL		PRESSURE		BAR		MM		HG												
MS	FW	PSIA	ATM	MS	FW	PSIA	ATM	MS	FW	PSIA	ATM	MS	FW											
(	gauge	(	absolute	(	absolute	(	absolute	(	absolute	(	absolute	(	absolute											
65.00	646.63	2121.5	957.3	65.14	49504	3.0	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
65.20	648.62	2128.0	960.2	65.33	49654	3.1	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
65.40	650.61	2134.5	963.1	65.53	49804	3.0	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
65.60	652.60	2141.1	966.0	65.73	49954	3.0	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2	1.1	0.9	0.8	0.6	0.5	0.3
65.80	654.58	2147.6	968.9	65.84	50104	3.0	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
66.00	656.57	2154.1	971.8	66.12	50254	3.0	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
66.20	658.56	2160.6	974.7	66.32	50404	3.0	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
66.40	660.55	2167.2	977.6	66.52	50554	3.0	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
66.60	662.54	2173.7	980.5	66.71	50704	3.0	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
66.80	664.53	2180.2	983.4	66.91	50854	2.9	2.8	2.7	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
67.00	666.52	2186.7	986.3	67.11	51004	2.9	2.8	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
67.20	668.51	2193.3	989.2	67.31	51154	2.9	2.8	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
67.40	670.50	2199.8	992.1	67.50	51304	2.9	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
67.60	672.49	2206.3	995.0	67.70	51454	2.9	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
67.80	674.48	2212.9	997.9	67.90	51604	2.9	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.5	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
68.00	676.47	2219.4	1000.8	68.10	51754	2.9	2.8	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
68.20	678.46	2225.9	1003.7	68.29	51904	2.9	2.7	2.6	2.5	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
68.40	680.45	2232.4	1006.6	68.49	52054	2.9	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.7	0.6	0.4	0.3
68.60	682.44	2239.0	1009.5	68.69	52204	2.9	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
68.80	684.43	2245.5	1012.4	68.89	52354	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.9	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
69.00	686.42	2252.0	1015.3	69.00	52504	2.9	2.7	2.6	2.4	2.3	2.1	2.0	1.9	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
69.20	688.41	2258.5	1018.2	69.20	52654	2.8	2.7	2.6	2.4	2.3	2.1	2.0	1.9	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
69.40	690.40	2265.1	1021.1	69.40	52804	2.8	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.6	1.4	1.3	1.1	1.0	0.9	0.7	0.6	0.4	0.3
69.60	692.39	2271.6	1024.0	69.60	52954	2.8	2.7	2.5	2.4	2.3	2.1	2.0	1.8	1.7	1.6	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3
69.80	694.38	2278.1	1026.9	69.87	53104	2.8	2.7	2.5	2.4	2.3	2.1	2.0	1.8	1.7	1.6	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3

PERCENTAGE OXYGEN IN MIXTURE AT VARIOUS DEPTHS AND PARTIAL PRESSURES

PAGE 41

DEPTH		OXYGEN PARTIAL PRESSURE (BAR/MM Hg)																					
PSA	FW	PSA	FW	PSA	FW	PSA	FW	PSA	FW	PSA	FW												
gauge	gauge	gauge	gauge	gauge	gauge	gauge	gauge	gauge	gauge	gauge	gauge												
70.00	2284.7	1029.8	70.07	52554	2.0	2.7	2.5	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3
70.50	2301.0	1037.0	70.56	52629	2.0	2.7	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.5	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3
71.00	2317.3	1044.3	71.06	54004	2.0	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.3	1.1	1.0	0.8	0.7	0.6	0.4	0.3
71.50	2333.6	1051.5	71.95	54379	2.0	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.6	0.4	0.3
72.00	2349.9	1058.8	72.04	54754	2.7	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
72.50	2366.3	1066.0	72.54	55129	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.4	1.2	1.1	1.0	0.8	0.7	0.5	0.4	0.3
73.00	2382.6	1073.3	73.03	55504	2.7	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.4	1.2	1.1	0.9	0.8	0.7	0.5	0.4	0.3
73.50	2398.9	1080.5	73.52	55879	2.7	2.6	2.4	2.3	2.1	2.0	1.9	1.7	1.6	1.5	1.3	1.2	1.1	0.9	0.8	0.7	0.5	0.4	0.3
74.00	2415.2	1087.8	74.02	56255	2.7	2.5	2.4	2.3	2.1	2.0	1.9	1.7	1.6	1.5	1.3	1.2	1.1	0.9	0.8	0.7	0.5	0.4	0.3
74.50	2431.5	1095.1	74.51	56630	2.6	2.5	2.4	2.3	2.1	2.0	1.9	1.7	1.6	1.5	1.3	1.2	1.1	0.9	0.8	0.7	0.5	0.4	0.3
75.00	2447.9	1102.3	75.00	57005	2.6	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.8	0.7	0.5	0.4	0.3
75.50	2464.2	1109.6	75.50	57380	2.6	2.5	2.4	2.2	2.1	2.0	1.8	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.7	0.5	0.4	0.3
76.00	2480.5	1116.8	75.99	57755	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
76.50	2496.8	1124.1	76.00	58130	2.6	2.5	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
77.00	2513.1	1131.3	76.98	58505	2.6	2.4	2.3	2.2	2.1	1.9	1.8	1.7	1.5	1.4	1.3	1.2	1.0	0.9	0.8	0.6	0.5	0.4	0.3
77.50	2529.4	1138.6	77.47	58880	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.7	1.5	1.4	1.3	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3
78.00	2545.8	1145.8	77.97	59255	2.5	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3
78.50	2562.1	1153.1	78.46	59630	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3
79.00	2578.4	1160.3	78.95	60005	2.5	2.4	2.3	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.1	1.0	0.9	0.8	0.6	0.5	0.4	0.3
79.50	2594.7	1167.6	79.45	60380	2.5	2.4	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.4	0.3
80.00	2611.0	1174.8	79.94	60755	2.5	2.3	2.2	2.1	2.0	1.9	1.7	1.6	1.5	1.4	1.2	1.1	1.0	0.9	0.7	0.6	0.5	0.4	0.3



1133 Sheppard Ave West,
PO Box 2000,
Downsview, Ont., Canada
Telephone (416) 633-4240